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0.21

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DICTIONARY FILE UPDATES: 3 JAN 2005 HIGHEST RN 807382-78-1

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```
=> s [wfyylimva].[vwfyylimva][lwfyylimva][wfyylimva].[wfyylimva]...[rklwhmi]/sqsp
L1      1761053 [WFYILIMVA].[VWFYILIMA][LWFYIMVA][WFYILIMVA].[WFYILIMVA]...[RKLWHMI]
          /SQSP
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=>

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=> s wevlcwtwetcer/sqsp
L2      11 WEVLCWTWETCER/SQSP
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```
=> s wevlcwtwetcer/sqep
          2 WEVLCWTWETCER/SQEP
          309925 SQL=13
L3      2 WEVLCWTWETCER/SQEP
          (WEVLCWTWETCER/SQEP AND SQL=13)
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L4      6 WEVLCWTWETCER.{1,100}./SQSP
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=> s .{1,99}.wevlcwtwetcer.{1,99}./sqsp
L5      4 .{1,99}.WEVLCWTWETCER.{1,99}./SQSP
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INVALID USE OF BRACE OPERATOR
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L6      5 .{0,99}.WEVLCWTWETCER.{0,99}./SQSP
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=> s wevlcwtwetcer.{0,99}./sqsp
L8      6 WEVLCWTWETCER.{0,99}./SQSP
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```
=> s l6 or l7 or l8
L9      9 L6 OR L7 OR L8
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```
=> FIL CAPLUS BIOSIS MEDLINE PCTFULL USPATFULL EUROPATFULL JAPIO SCISEARCH EMBASE
USPAT2 EUROPATFULL
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SINCE FILE

TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	211.39	211.60

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=> s 19

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'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
L10          5 L9
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=> dup rem l10
PROCESSING COMPLETED FOR L10
L11      4 DUP REM L10 (1 DUPLICATE REMOVED)
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=> d l11 bib hit 1-4 ab

L11 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1
AN 2004:372929 CAPLUS
DN 140:395489
TI Sequences of blood-coagulation factor VIIa-binding peptides
IN Lazarus, Robert A.; Maun, Henry R.
PA Genentech, Inc., USA
SO U.S. Pat. Appl. Publ., 102 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2004087767	A1	20040506	US 2003-356257	20030130
PRAI	US 2002-355420P	P	20020206		

IT 358740-54-2P 685512-19-0P 685513-39-7P 685513-40-0P
685513-41-1P 685513-42-2P

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(factor VIIa-binding anticoagulant peptide sequence; sequences of blood-coagulation factor VIIa-binding peptides)

IT 325722-42-7 503855-23-0 685510-35-4 685510-36-5 685510-37-6
685510-38-7 685510-39-8 685510-40-1 685510-41-2
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685510-91-2 685510-92-3 685510-93-4 685510-94-5 685510-95-6
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685511-01-7 685511-02-8 685511-03-9 685511-04-0 685511-05-1
685511-06-2 685511-07-3 685511-08-4 685511-09-5 685511-10-8
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685512-57-6 685512-58-7 685512-59-8 685512-60-1 685512-61-2
685512-62-3 685512-63-4 685512-64-5 685512-65-6 685512-66-7
685512-67-8 685512-68-9 685512-69-0 685512-70-3 685512-71-4
685512-72-5 685512-73-6

RL: PRP (Properties)

(unclaimed sequence; sequences of blood-coagulation factor VIIa-binding peptides)

AB This invention provides sequences of 6 blood-coagulation factor VIIa-binding peptides. This invention provides novel compds. which prevent or block a FVIIa mediated or associated process or event such as the catalytic conversion of FX to FXa, FVII to FVIIa or FIX to FIXa. In particular aspects, the compds. of the invention bind Factor VIIa (FVIIa), its zymogen Factor VII (FVII). The invention also provides

pharmaceutical compns. comprising the novel compds. as well as their use in diagnostic, therapeutic, and prophylactic methods.

L11 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:443545 CAPLUS
DN 139:159700
TI Engineering Exosite Peptides for Complete Inhibition of Factor VIIa Using a Protease Switch with Substrate Phage
AU Maun, Henry R.; Eigenbrot, Charles; Lazarus, Robert A.
CS Department of Protein Engineering, Genentech, Inc., South San Francisco, CA, 94080, USA
SO Journal of Biological Chemistry (2003), 278(24), 21823-21830
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
IT 575431-91-3P, A 183X
RL: PAC (Pharmacological activity); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(engineering exosite peptides for complete inhibition of factor VIIa using a protease switch with substrate phage)
AB Limitations of current anticoagulant therapies have led us to develop two distinct classes of exosite peptide inhibitors for the initiator of the clotting process, the tissue factor-factor VIIa (TF·FVIIa) complex (Roberge, M., Santell, L., Dennis, M. S., Eigenbrot, C., Dwyer, M. A., and Lazarus, R. A. (2001) Biochem. 40, 9522-9531). Although both peptide classes are potent and selective inhibitors of TF·FVIIa, neither showed 100% inhibition at saturating concns. Crystal structures of these peptides in complex with the FVII/FVIIa protease domain revealed their distinct binding sites and close proximity to the active site. The favorable orientation of the 15-mer A-site peptide A-183 (EEWEVLCWTWETCER) suggested that a C-terminal extension into the FVIIa active site could yield a chimeric inhibitor that was not only potent and selective but complete as well. A novel two-step "protease switch" approach using substrate phage display was developed by first binding all phage containing A-183 and C-terminal extension libraries to immobilized and inactive FVIIa. Upon altering pH and adding TF to switch on FVIIa enzymic activity, only those phage released by proteolytic cleavage within the extension were propagated. This process selected for both preferred sequence and length in the extension, leading to a 27-mer peptide A-183X (EEWEVLCWTWETCEREGEGVEEELWEWR) with a C-terminal 12-mer extension containing an Arg in the P1 position. A-183X was a more potent and complete inhibitor of FX activation, having a maximal extent of inhibition of .apprx.99% with an IC50 of 230 pM vs. A-183 which maximally inhibited to 74% with an IC50 of 1.5 nM. A-183X also had a maximal prolongation of the prothrombin time of 7.6- vs. 1.9-fold for A-183, making it a more effective anticoagulant.
RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:514493 CAPLUS
DN 135:223287
TI A novel exosite on coagulation factor VIIa and its molecular interactions with a new class of peptide inhibitors
AU Roberge, Martin; Santell, Lydia; Dennis, Mark S.; Eigenbrot, Charles; Dwyer, Mary A.; Lazarus, Robert A.
CS Department of Protein Engineering, Genentech Inc., South San Francisco, CA, 94080, USA
SO Biochemistry (2001), 40(32), 9522-9531
CODEN: BICHAW; ISSN: 0006-2960
PB American Chemical Society
DT Journal
LA English

IT 319927-97-4 325722-51-8 325722-64-3 358740-54-2
 358740-54-2D, 'biotinylated derivs.
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (protease domain exosite on coagulation factor VIIa and mol.
 interactions with A-series peptide inhibitors)

AB A new inhibitory peptide binding exosite on the protease domain of coagulation Factor VIIa (FVIIa) has been identified. A novel series of peptide inhibitors of FVIIa, termed the "A-series" peptides, identified from peptide phage libraries and exemplified by peptide A-183, specifically bind at a site that is distinct from both the active site and the exosite of another recently described peptide inhibitor of FVIIa, E-76. Peptide A-183 prolonged TF-dependent clotting in human, but not rabbit plasma. Thus, a panel of human FVIIa mutants, containing 70 of the 76 rabbit sequence differences in the protease domain, localized the binding site to residues in the 60s loop and the C-terminus. The location of the exosite was refined by a series of FVIIa alanine mutants, which showed that proximal residues Trp 61 and Leu 251 were critical for binding. Kinetic and equilibrium binding consts. for zymogen FVII, FVIIa and TF·FVIIa were determined using immobilized N-terminal biotinylated A-183 by surface plasmon resonance. No peptide binding to nine other human serine proteases was observed. Key residues on the peptide were determined from binding to FVIIa and inhibition of FX activation using a series of alanine mutants of A-183 fused to the Z domain of protein A. Anal. of the mutagenesis data is presented in the context of a crystal structure of A-183 in complex with a version of zymogen FVII. The shape and proximity of this exosite to the active site may lend itself towards the design of new anticoagulants that inhibit FVIIa.

RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2001:496925 CAPLUS
 DN 135:221051
 TI Selection and characterization of a new class of peptide exosite inhibitors of coagulation factor VIIa
 AU Dennis, Mark S.; Roberge, Martin; Quan, Cliff; Lazarus, Robert A.
 CS Departments of Protein Engineering and Bioorganic Chemistry, Genentech Inc., South San Francisco, CA, 94080, USA
 SO Biochemistry (2001), 40(32), 9513-9521
 CODEN: BICHAW; ISSN: 0006-2960
 PB American Chemical Society
 DT Journal
 LA English
 IT 325722-51-8 325722-64-3 358740-54-2 359635-57-7
 359635-58-8 359635-59-9 359635-60-2
 359635-61-3 359635-62-4 359635-63-5 359635-64-6 359635-65-7
 359635-66-8 359635-67-9
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (selection and characterization of peptide exosite inhibitors of coagulation factor VIIa)

AB A new series of peptide inhibitors of human Factor VIIa (FVIIa) has been identified and affinity matured from naive and partially randomized peptide phage libraries selected against the immobilized tissue factor·Factor VIIa (TF·FVIIa) complex. These "A-series" peptides contain a single disulfide bond and a 13-residue minimal core required for maximal affinity. They are exemplified by peptide A-183 (EEWEVLCWTWETCER), which binds at a newly identified exosite on the FVIIa protease domain, described in the accompanying report [Roberge, M., Santell, L., Dennis, M. S., Eigenbrot, C., Dwyer, M. A., and Lazarus, R. A. (2001) Biochem. 40, XXXXX-XXXXX]. A-183 was obtained from a trypsin digest of A-100-Z, a recombinant protein comprising A-183 and the Z domain

of protein A. Surprisingly, A-183 was a very potent inhibitor of TF·FVIIa, inhibiting activation of Factor X (FX) and Factor IX and amidolytic activity of Chromozym t-PA with IC50 values of 1.6 ± 1.2 , 3.5 ± 0.3 , and 8.5 ± 3.5 nM, resp. Kinetic anal. revealed that A-183 was a partial (hyperbolic) mixed-type inhibitor of FX activation having a K_i of 200 pM as well as a partial competitive inhibitor of amidolytic activity. The A-series peptides were also specific and potent inhibitors of TF-dependent clotting as measured in a prothrombin time (PT) clotting assay and had no effect on the TF-independent activated partial thromboplastin time. At saturating concns. of peptide, the maximal extent by which A-183 and A-100-Z inhibited the rate of FX activation was 78 ± 3 and $89 \pm 6\%$, resp. The degree of inhibition of the rate of FX activation correlated with a maximum fold prolongation in the PT assay of 1.8-fold for A-183 and 3.3-fold for A-100-Z. The A-series peptides represent a new class of peptide exosite inhibitors that are capable of attenuating, rather than completely inhibiting, the activity of TF·FVIIa, potentially leading to anticoagulants with an increased therapeutic window.

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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NEWS 6 DEC 01 LISA now available on STN
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alerts (SDIs) affected
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness
alerts (SDIs) affected
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NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
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NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and
February 2005

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:50:49 ON 04 JAN 2005
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STRUCTURE FILE UPDATES: 3 JAN 2005 HIGHEST RN 807382-78-1
DICTIONARY FILE UPDATES: 3 JAN 2005 HIGHEST RN 807382-78-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more
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<http://www.cas.org/ONLINE/DBSS/registryss.html>

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          /SQSP
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=> s wevlcwtwetcer/sqsp
L2      11 WEVLCWTWETCER/SQSP
```

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=> s wevlcwtwetcer/sqep
          2 WEVLCWTWETCER/SQEP
          309925 SQL=13
L3      2 WEVLCWTWETCER/SQEP
          (WEVLCWTWETCER/SQEP AND SQL=13)
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=> s wevlcwtwetcer.{1,100}./sqsp
L4      6 WEVLCWTWETCER.{1,100}./SQSP
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=> s .{1,99}.wevlcwtwetcer.{1,99}./sqsp
L5      4 .{1,99}.WEVLCWTWETCER.{1,99}./SQSP
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INVALID USE OF BRACE OPERATOR
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L6      5 .{0,99}.WEVLCWTWETCER.{0,99}./SQSP
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L8      6 WEVLCWTWETCER.{0,99}./SQSP
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=> s l6 or l7 or l8
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=> FIL CAPLUS BIOSIS MEDLINE PCTFULL USPATFULL EUROPATFULL JAPIO SCISEARCH EMBASE
USPAT2 EUROPATFULL
COST IN U.S. DOLLARS
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SINCE FILE

TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	211.39	211.60

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PROCESSING COMPLETED FOR L10
L11      4 DUP REM L10 (1 DUPLICATE REMOVED)
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=> d l11 bib hit 1-4 ab

L11 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1
AN 2004:372929 CAPLUS
DN 140:395489
TI Sequences of blood-coagulation factor VIIa-binding peptides
IN Lazarus, Robert A.; Maun, Henry R.
PA Genentech, Inc., USA
SO U.S. Pat. Appl. Publ., 102 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 2004087767	A1	20040506	US 2003-356257	20030130
PRAI	US 2002-355420P	P	20020206		

IT 358740-54-2P 685512-19-0P 685513-39-7P 685513-40-0P
685513-41-1P 685513-42-2P

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(factor VIIa-binding anticoagulant peptide sequence; sequences of blood-coagulation factor VIIa-binding peptides)

IT 325722-42-7 503855-23-0 685510-35-4 685510-36-5 685510-37-6
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685512-72-5 685512-73-6

RL: PRP (Properties)

(unclaimed sequence; sequences of blood-coagulation factor VIIa-binding peptides)

AB This invention provides sequences of 6 blood-coagulation factor VIIa-binding peptides. This invention provides novel compds. which prevent or block a FVIIa mediated or associated process or event such as the catalytic conversion of FX to FXa, FVII to FVIIa or FIX to FIXa. In particular aspects, the compds. of the invention bind Factor VIIa (FVIIa), its zymogen Factor VII (FVII). The invention also provides

pharmaceutical compns. comprising the novel compds. as well as their use in diagnostic, therapeutic, and prophylactic methods.

L11 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:443545 CAPLUS

DN 139:159700

TI Engineering Exosite Peptides for Complete Inhibition of Factor VIIa Using a Protease Switch with Substrate Phage

AU Maun, Henry R.; Eigenbrot, Charles; Lazarus, Robert A.

CS Department of Protein Engineering, Genentech, Inc., South San Francisco, CA, 94080, USA

SO Journal of Biological Chemistry (2003), 278(24), 21823-21830

CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

IT 575431-91-3P, A 183X

RL: PAC (Pharmacological activity); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(engineering exosite peptides for complete inhibition of factor VIIa using a protease switch with substrate phage)

AB Limitations of current anticoagulant therapies have led us to develop two distinct classes of exosite peptide inhibitors for the initiator of the clotting process, the tissue factor-factor VIIa (TF·FVIIa) complex (Roberge, M., Santell, L., Dennis, M. S., Eigenbrot, C., Dwyer, M. A., and Lazarus, R. A. (2001) Biochem. 40, 9522-9531). Although both peptide classes are potent and selective inhibitors of TF·FVIIa, neither showed 100% inhibition at saturating concns. Crystal structures of these peptides in complex with the FVII/FVIIa protease domain revealed their distinct binding sites and close proximity to the active site. The favorable orientation of the 15-mer A-site peptide A-183 (EEWEVLCWTWETCER) suggested that a C-terminal extension into the FVIIa active site could yield a chimeric inhibitor that was not only potent and selective but complete as well. A novel two-step "protease switch" approach using substrate phage display was developed by first binding all phage containing A-183 and C-terminal extension libraries to immobilized and inactive FVIIa. Upon altering pH and adding TF to switch on FVIIa enzymic activity, only those phage released by proteolytic cleavage within the extension were propagated. This process selected for both preferred sequence and length in the extension, leading to a 27-mer peptide A-183X (EEWEVLCWTWETCEREGVEEELWEWR) with a C-terminal 12-mer extension containing an Arg in the P1 position. A-183X was a more potent and complete inhibitor of FX activation, having a maximal extent of inhibition of .apprx.99% with an IC50 of 230 pM vs. A-183 which maximally inhibited to 74% with an IC50 of 1.5 nM. A-183X also had a maximal prolongation of the prothrombin time of 7.6- vs. 1.9-fold for A-183, making it a more effective anticoagulant.

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2001:514493 CAPLUS

DN 135:223287

TI A novel exosite on coagulation factor VIIa and its molecular interactions with a new class of peptide inhibitors

AU Roberge, Martin; Santell, Lydia; Dennis, Mark S.; Eigenbrot, Charles; Dwyer, Mary A.; Lazarus, Robert A.

CS Department of Protein Engineering, Genentech Inc., South San Francisco, CA, 94080, USA

SO Biochemistry (2001), 40(32), 9522-9531

CODEN: BICHAW; ISSN: 0006-2960

PB American Chemical Society

DT Journal

LA English

IT 319927-97-4 325722-51-8 325722-64-3 358740-54-2
358740-54-2D, biotinylated derivs.
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (protease domain exosite on coagulation factor VIIa and mol. interactions with A-series peptide inhibitors)

AB A new inhibitory peptide binding exosite on the protease domain of coagulation Factor VIIa (FVIIa) has been identified. A novel series of peptide inhibitors of FVIIa, termed the "A-series" peptides, identified from peptide phage libraries and exemplified by peptide A-183, specifically bind at a site that is distinct from both the active site and the exosite of another recently described peptide inhibitor of FVIIa, E-76. Peptide A-183 prolonged TF-dependent clotting in human, but not rabbit plasma. Thus, a panel of human FVIIa mutants, containing 70 of the 76 rabbit sequence differences in the protease domain, localized the binding site to residues in the 60s loop and the C-terminus. The location of the exosite was refined by a series of FVIIa alanine mutants, which showed that proximal residues Trp 61 and Leu 251 were critical for binding. Kinetic and equilibrium binding consts. for zymogen FVII, FVIIa and TF·FVIIa were determined using immobilized N-terminal biotinylated A-183 by surface plasmon resonance. No peptide binding to nine other human serine proteases was observed. Key residues on the peptide were determined from binding to FVIIa and inhibition of FX activation using a series of alanine mutants of A-183 fused to the Z domain of protein A. Anal. of the mutagenesis data is presented in the context of a crystal structure of A-183 in complex with a version of zymogen FVII. The shape and proximity of this exosite to the active site may lend itself towards the design of new anticoagulants that inhibit FVIIa.

RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2001:496925 CAPLUS
 DN 135:221051
 TI Selection and characterization of a new class of peptide exosite inhibitors of coagulation factor VIIa
 AU Dennis, Mark S.; Roberge, Martin; Quan, Cliff; Lazarus, Robert A.
 CS Departments of Protein Engineering and Bioorganic Chemistry, Genentech Inc., South San Francisco, CA, 94080, USA
 SO Biochemistry (2001), 40(32), 9513-9521
 CODEN: BICHAW; ISSN: 0006-2960
 PB American Chemical Society
 DT Journal
 LA English

IT 325722-51-8 325722-64-3 358740-54-2 359635-57-7
 359635-58-8 359635-59-9 359635-60-2
 359635-61-3 359635-62-4 359635-63-5 359635-64-6 359635-65-7
 359635-66-8 359635-67-9
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (selection and characterization of peptide exosite inhibitors of coagulation factor VIIa)

AB A new series of peptide inhibitors of human Factor VIIa (FVIIa) has been identified and affinity matured from naive and partially randomized peptide phage libraries selected against the immobilized tissue factor·Factor VIIa (TF·FVIIa) complex. These "A-series" peptides contain a single disulfide bond and a 13-residue minimal core required for maximal affinity. They are exemplified by peptide A-183 (EEWEVLCWTWETCER), which binds at a newly identified exosite on the FVIIa protease domain, described in the accompanying report [Roberge, M., Santell, L., Dennis, M. S., Eigenbrot, C., Dwyer, M. A., and Lazarus, R. A. (2001) Biochem. 40, XXXXX-XXXXX]. A-183 was obtained from a trypsin digest of A-100-Z, a recombinant protein comprising A-183 and the Z domain

of protein A. Surprisingly, A-183 was a very potent inhibitor of TF·FVIIa, inhibiting activation of Factor X (FX) and Factor IX and amidolytic activity of Chromozym t-PA with IC50 values of 1.6 ± 1.2 , 3.5 ± 0.3 , and 8.5 ± 3.5 nM, resp. Kinetic anal. revealed that A-183 was a partial (hyperbolic) mixed-type inhibitor of FX activation having a Ki of 200 pM as well as a partial competitive inhibitor of amidolytic activity. The A-series peptides were also specific and potent inhibitors of TF-dependent clotting as measured in a prothrombin time (PT) clotting assay and had no effect on the TF-independent activated partial thromboplastin time. At saturating concns. of peptide, the maximal extent by which A-183 and A-100-Z inhibited the rate of FX activation was 78 ± 3 and $89 \pm 6\%$, resp. The degree of inhibition of the rate of FX activation correlated with a maximum fold prolongation in the PT assay of 1.8-fold for A-183 and 3.3-fold for A-100-Z. The A-series peptides represent a new class of peptide exosite inhibitors that are capable of attenuating, rather than completely inhibiting, the activity of TF·FVIIa, potentially leading to anticoagulants with an increased therapeutic window.

RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4 6 S WEVLCWTWETCER.{1,100}./SQSP
L5 4 S .{1,99}.WEVLCWTWETCER.{1,99}./SQSP
L6 5 S .{0,99}.WEVLCWTWETCER.{0,99}./SQSP
L7 8 S .{0,99}.WEVLCWTWETCER/SQSP
L8 6 S WEVLCWTWETCER.{0,99}./SQSP
L9 9 S L6 OR L7 OR L8

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L13 2 L12 NOT L10

=> d l13 hit

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

IT 325722-42-7

RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)
(factor VIIa antagonists for diagnostic or therapeutic use)

=> d l13 hit bib 1-2

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

IT 325722-42-7
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)
(factor VIIa antagonists for diagnostic or therapeutic use)

AN 2001:115174 CAPLUS

DN 134:168300

TI Factor VIIa antagonists for diagnostic or therapeutic use

IN Dennis, Mark S.

PA Genentech, Inc., USA

SO PCT Int. Appl., 80 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001010892	A2	20010215	WO 2000-US21296	20000804
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2380633	AA	20010215	CA 2000-2380633	20000804
	EP 1203014	A2	20020508	EP 2000-952495	20000804
	EP 1203014	B1	20041013		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003512303	T2	20030402	JP 2001-515700	20000804
	AT 279437	E	20041015	AT 2000-952495	20000804
	US 2004077547	A1	20040422	US 2003-639076	20030811
PRAI	US 1999-147627P	P	19990806		
	US 1999-150315P	P	19990823		
	US 2000-632429	A1	20000804		
	WO 2000-US21296	W	20000804		
OS	MARPAT 134:168300				

L13 ANSWER 2 OF 2 USPATFULL on STN

IT 325722-42-7

(factor VIIa antagonists for diagnostic or therapeutic use)

AN 2004:101678 USPATFULL

TI FVIIa antagonists

IN Dennis, Mark S., San Carlos, CA, UNITED STATES

PA Genentech, Inc., South San Francisco, CA (U.S. corporation)

PI US 2004077547 A1 20040422

AI US 2003-639076 A1 20030811 (10)

RLI Continuation of Ser. No. US 2000-632429, filed on 4 Aug 2000, PENDING

PRAI US 1999-147627P 19990806 (60)

US 1999-150315P 19990823 (60)

DT Utility

FS APPLICATION

LREP GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080

CLMN Number of Claims: 31

ECL Exemplary Claim: 1

DRWN 4 Drawing Page(s)

LN.CNT 2987

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
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 DICTIONARY FILE UPDATES: 3 JAN 2005 HIGHEST RN 807382-78-1

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=> s [wfla]e[via]lc[wflma]twetcer/sqsp
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=> FIL CAPLUS BIOSIS MEDLINE PCTFULL USPATFULL EUROPATFULL JAPIO SCISEARCH EMBASE
 COST IN U.S. DOLLARS

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FULL ESTIMATED COST	ENTRY	SESSION
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CA SUBSCRIBER PRICE	ENTRY	SESSION
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Claim 2
 Claim

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FULL ESTIMATED COST	9.03	307.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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DICTIONARY FILE UPDATES: 3 JAN 2005 HIGHEST RN 807382-78-1

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d hist

(FILE 'HOME' ENTERED AT 14:50:12 ON 04 JAN 2005)

FILE 'REGISTRY' ENTERED AT 14:50:49 ON 04 JAN 2005

```
L1      1761053 S [WFYLMVA]. [VWFYLIMA] [LWFYIMVA] [WFYLMVA]... [RKLWH]
L2      11 S WEVLCWTWETCER/SQSP
L3      2 S WEVLCWTWETCER/SQEP
L4      6 S WEVLCWTWETCER.{1,100}./SQSP
L5      4 S .{1,99}.WEVLCWTWETCER.{1,99}./SQSP
L6      5 S .{0,99}.WEVLCWTWETCER.{0,99}./SQSP
L7      8 S .{0,99}.WEVLCWTWETCER/SQSP
L8      6 S WEVLCWTWETCER.{0,99}./SQSP
L9      9 S L6 OR L7 OR L8
```

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,
EMBASE, USPAT2' ENTERED AT 15:07:45 ON 04 JAN 2005

```
L10     5 S L9
L11     4 DUP REM L10 (1 DUPLICATE REMOVED)
```

L12 7 S L2
L13 2 S L12 NOT L10

FILE 'REGISTRY' ENTERED AT 15:12:05 ON 04 JAN 2005
L14 24 S [WFL]E[LV] [LIMV]C[WFLM]TWETCE[RKLW]/SQSP
L15 22 S [WFLA]E[VIA]LC[WFLMA]TWETCER/SQSP

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH, EMBASE' ENTERED AT 15:17:14 ON 04 JAN 2005

FILE 'REGISTRY' ENTERED AT 15:17:27 ON 04 JAN 2005

=> s l14 or l15
L16 28 L14 OR L15

=> FIL CAPLUS BIOSIS MEDLINE PCTFULL USPATFULL EUROPATFULL JAPIO SCISEARCH EMBASE
USPAT2 EUROPATFULL

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	307.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

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=> s l14
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
L17 7 L14

```
=> s l14 not l14
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
L18      0 L14 NOT L14
```

```
=> s l14 not l16
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
L19      0 L14 NOT L16
```

```
=> s l16 not l14
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
L20      0 L16 NOT L14
```

```
=> s l16
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
L21      7 L16
```

```
=> s l21 and l17
L22      7 L21 AND L17
```

```
=> dup rem l22
PROCESSING COMPLETED FOR L22
L23      6 DUP REM L22 (1 DUPLICATE REMOVED)
```

```
=> d l23 bib hit 1-23
```

```
L23 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1
AN 2004087767 CAPLUS
DN 140:395489
TI Sequences of blood-coagulation factor VIIa-binding peptides
IN Lazarus, Robert A.; Maun, Henry R.
PA Genentech, Inc., USA
SO U.S. Pat. Appl. Publ., 102 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1
```

Claim 2



ODP? 2/6/02

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004087767	A1	20040506	US 2003-356257	20030130
PRAI	US 2002-355420P	P	20020206		
IT	358740-54-2P	685512-19-0P	685513-39-7P	685513-40-0P	
	685513-41-1P	685513-42-2P			
	RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(factor VIIa-binding anticoagulant peptide sequence; sequences of blood-coagulation factor VIIa-binding peptides)				
IT	325722-42-7	503855-23-0	685510-35-4	685510-36-5	
	685510-37-6	685510-38-7	685510-39-8		
	685510-40-1	685510-41-2	685510-42-3	685510-43-4	
	685510-44-5	685510-45-6	685510-46-7	685510-47-8	685510-48-9
	685510-49-0	685510-50-3	685510-51-4		
	685510-52-5	685510-53-6	685510-54-7		
	685510-55-8	685510-56-9	685510-57-0	685510-58-1	
	685510-59-2	685510-60-5	685510-61-6	685510-62-7	
	685510-63-8	685510-64-9	685510-65-0		

685510-66-1	685510-67-2	685510-68-3		
685510-69-4	685510-70-7	685510-71-8	685510-72-9	
685510-73-0	685510-74-1	685510-75-2	685510-76-3	685510-77-4
685510-78-5	685510-79-6	685510-80-9	685510-81-0	685510-82-1
685510-83-2	685510-84-3	685510-85-4	685510-86-5	685510-87-6
685510-88-7	685510-89-8	685510-90-1	685510-91-2	685510-92-3
685510-93-4	685510-94-5	685510-95-6	685510-96-7	685510-97-8
685510-98-9	685510-99-0	685511-00-6	685511-01-7	685511-02-8
685511-03-9	685511-04-0	685511-05-1	685511-06-2	685511-07-3
685511-08-4	685511-09-5	685511-10-8	685511-11-9	685511-12-0
685511-13-1	685511-14-2	685511-15-3	685511-16-4	685511-17-5
685511-18-6	685511-19-7	685511-20-0	685511-21-1	685511-22-2
685511-23-3	685511-24-4	685511-25-5	685511-26-6	685511-27-7
685511-28-8	685511-29-9	685511-30-2	685511-31-3	685511-32-4
685511-33-5	685511-34-6	685511-35-7	685511-36-8	685511-37-9
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685511-43-7	685511-44-8	685511-45-9	685511-46-0	685511-47-1
685511-48-2	685511-49-3	685511-50-6	685511-51-7	685511-52-8
685511-53-9	685511-54-0	685511-55-1	685511-56-2	685511-57-3
685511-58-4	685511-59-5	685511-60-8	685511-61-9	685511-62-0
685511-63-1	685511-64-2	685511-65-3	685511-66-4	685511-67-5
685511-68-6	685511-69-7	685511-70-0	685511-71-1	685511-72-2
685511-73-3	685511-74-4	685511-75-5	685511-76-6	685511-77-7
685511-78-8	685511-79-9	685511-80-2	685511-81-3	685511-82-4
685511-83-5	685511-84-6	685511-85-7	685511-86-8	685511-87-9
685511-88-0	685511-89-1	685511-90-4	685511-91-5	685511-92-6
685511-93-7	685511-94-8	685511-95-9	685511-96-0	685511-97-1
685511-98-2	685511-99-3	685512-00-9	685512-01-0	685512-02-1
685512-03-2	685512-04-3	685512-05-4	685512-06-5	685512-07-6
685512-08-7	685512-09-8	685512-10-1	685512-11-2	685512-12-3
685512-13-4	685512-14-5	685512-15-6	685512-16-7	685512-17-8
685512-18-9	685512-20-3	685512-21-4	685512-22-5	685512-23-6
685512-24-7	685512-25-8	685512-26-9	685512-27-0	685512-28-1
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685512-39-4	685512-40-7	685512-41-8	685512-42-9	685512-43-0
685512-44-1	685512-45-2	685512-46-3	685512-47-4	685512-48-5
685512-49-6	685512-50-9	685512-51-0	685512-52-1	685512-53-2
685512-54-3	685512-55-4	685512-56-5	685512-57-6	685512-58-7
685512-59-8	685512-60-1	685512-61-2	685512-62-3	685512-63-4
685512-64-5	685512-65-6	685512-66-7	685512-67-8	685512-68-9
685512-69-0	685512-70-3	685512-71-4	685512-72-5	685512-73-6

RL: PRP (Properties)

(unclaimed sequence; sequences of blood-coagulation factor VIIa-binding peptides)

L23 ANSWER 2 OF 6 USPATFULL on STN

AN 2004:101678 USPATFULL

TI FVIIa antagonists

IN Dennis, Mark S., San Carlos, CA UNITED STATES

PA Genentech, Inc., South San Francisco, CA (U.S. corporation)

PI US 2004077547 A1 20040422

AI US 2003-639076 A1 20030811 (10)

RLI Continuation of Ser. No. US 2000-632429, filed on 4 Aug 2000, PENDING

PRAI US 1999-147627P 19990806 (60)

US 1999-150315P 19990823 (60)

DT Utility

FS APPLICATION

LREP GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080

CLMN Number of Claims: 31

ECL Exemplary Claim: 1

DRWN 4 Drawing Page(s)

LN.CNT 2987

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 325722-42-7

(factor VIIa antagonists for diagnostic or therapeutic use)

L23 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:443545 CAPLUS
DN 139:159700
TI Engineering Exosite Peptides for Complete Inhibition of Factor VIIa Using
a Protease Switch with Substrate Phage
AU Maun, Henry R.; Eigenbrot, Charles; Lazarus, Robert A.
CS Department of Protein Engineering, Genentech, Inc., South San Francisco,
CA, 94080, USA
SO Journal of Biological Chemistry (2003), 278(24), 21823-21830
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 575431-91-3P, A 183X

RL: PAC (Pharmacological activity); PNU (Preparation, unclassified); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(engineering exosite peptides for complete inhibition of factor VIIa
using a protease switch with substrate phage)

L23 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:115174 CAPLUS
DN 134:168300
TI Factor VIIa antagonists for diagnostic or therapeutic use
IN Dennis, Mark S.
PA Genentech, Inc., USA
SO PCT Int. Appl., 80 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001010892	A2	20010215	WO 2000-US21296	20000804
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,				
	ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2380633	AA	20010215	CA 2000-2380633	20000804
	EP 1203014	A2	20020508	EP 2000-952495	20000804
	EP 1203014	B1	20041013		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003512303	T2	20030402	JP 2001-515700	20000804
	AT 279437	E	20041015	AT 2000-952495	20000804
	US 2004077547	A1	20040422	US 2003-639076	20030811
PRAI	US 1999-147627P	P	19990806		
	US 1999-150315P	P	19990823		
	US 2000-632429	A1	20000804		
	WO 2000-US21296	W	20000804		

OS MARPAT 134:168300

IT 325722-42-7

RL: BAC (Biological activity or effector, except adverse); BPR (Biological
process); BSU (Biological study, unclassified); PRP (Properties); BIOL

(Biological study); PROC (Process)
(factor VIIa antagonists for diagnostic or therapeutic use)

L23 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:514493 CAPLUS
DN 135:223287
TI A novel exosite on coagulation factor VIIa and its molecular interactions
with a new class of peptide inhibitors
AU Roberge, Martin; Santell, Lydia; Dennis, Mark S.; Eigenbrot, Charles;
Dwyer, Mary A.; Lazarus, Robert A.
CS Department of Protein Engineering, Genentech Inc., South San Francisco,
CA, 94080, USA
SO Biochemistry (2001), 40(32), 9522-9531
CODEN: BICHAW; ISSN: 0006-2960
PB American Chemical Society
DT Journal
LA English
RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT 319927-97-4 325722-51-8 325722-64-3 358740-54-2
358740-54-2D, biotinylated derivs.
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(protease domain exosite on coagulation factor VIIa and mol.
interactions with A-series peptide inhibitors)

L23 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2001:496925 CAPLUS
DN 135:221051
TI Selection and characterization of a new class of peptide exosite
inhibitors of coagulation factor VIIa
AU Dennis, Mark S.; Roberge, Martin; Quan, Cliff; Lazarus, Robert A.
CS Departments of Protein Engineering and Bioorganic Chemistry, Genentech
Inc., South San Francisco, CA, 94080, USA
SO Biochemistry (2001), 40(32), 9513-9521
CODEN: BICHAW; ISSN: 0006-2960
PB American Chemical Society
DT Journal
LA English
RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT 325722-51-8 325722-64-3 358740-54-2 359635-57-7
359635-58-8 359635-59-9 359635-60-2
359635-61-3 359635-62-4 359635-63-5 359635-64-6
359635-65-7 359635-66-8 359635-67-9
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); PRP (Properties); BIOL (Biological study)
(selection and characterization of peptide exosite inhibitors of
coagulation factor VIIa)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	36.80	344.50
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

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STRUCTURE FILE UPDATES: 3 JAN 2005 HIGHEST RN 807382-78-1
DICTIONARY FILE UPDATES: 3 JAN 2005 HIGHEST RN 807382-78-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s ..[wflmva].[viawy][limva][wflmva].[wfym]..[-p][rklwhm].../sqsp
L24 251389 ..[WFLMVA].[VIAWY][LIMVA][WFLMVA].[WFYM]..[-P][RKLWHM].../SQSP

=> s ..[wfla].[via][limva][wflma].[wfym]..[-p][rklwhm].../sqsp
L25 134568 ..[WFLA].[VIA][LIMVA][WFLMA].[WFYM]..[-P][RKLWHM].../SQSP

=> s ..[wfl].[vi][limv][wflm].[w]..[-p][rklw].../sqsp
L26 2424 ..[WFL].[VI][LIMV][WFLM].[W]..[-P][RKLW].../SQSP

=> s [wfl].[vi][limva][wfylm].[w]...[rklw]/sqsp
L27 3807 [WFL].[VI][LIMVA][WFYLM].[W]...[RKLW]/SQSP

=> FIL CAPLUS BIOSIS MEDLINE PCTFULL USPATFULL EUROPATFULL JAPIO SCISEARCH EMBASE	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	117.31	461.81
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

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FILE 'EMBASE' ENTERED AT 15:31:55 ON 04 JAN 2005
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that are available. If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

```
=> s l26 and py<=1999
      2 FILES SEARCHED...
      3 FILES SEARCHED...
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
'SQSP' IS NOT A VALID FIELD CODE
      7 FILES SEARCHED...
L28      231 L26 AND PY<=1999
```

```
=> s l28 and dup rem
L29      0 L28 AND DUP REM
```

```
=> dup rem l28
PROCESSING COMPLETED FOR L28
L30      224 DUP REM L28 (7 DUPLICATES REMOVED)
```

```
=> l30 and (factor (w) VII)
L30 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

```
=> s l30 and (factor (w) VII)
L31      0 L30 AND (FACTOR (W) VII)
```

```
=> s l30 and (VII)
L32      1 L30 AND (VII)
```

```
=> d 224 bib
      1 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):
ENTER ANSWER NUMBER OR RANGE (1):exit
ANSWER NUMBERS NOT CORRECTLY SPECIFIED
Enter an answer number,           Example: 10
several answer numbers,           Example: 3,7,10
a range of answer numbers,         Example: 5-10
or a combination of these.         Example: 3,7,9-10,15
ENTER ANSWER NUMBER OR RANGE (1):1
```

```
L32 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1997:373138 CAPLUS
DN 127:104980
TI Construction of a contiguous 874-kb sequence of the Escherichia coli-K12
genome corresponding to 50.0-68.8 min on the linkage map and analysis of
its sequence features
AU Yamamoto, Yoshihiro; Aiba, Hiroji; Baba, Tomoya; Hayashi, Kouji; Inada,
Toshifumi; Isono, Katumi; Itoh, Takeshi; Kimura, Sigenobu; Kitagawa,
Masanari; Makino, Kozo; Miki, Takeyoshi; Mitsushashi, Nobutaka; Mizobuchi,
Kiyoshi; Mori, Hirotada; Makade, Shinsuke; Nakamura, Yoshikazu; Nashimoto,
Hiroko; Oshima, Taku; Oyama, Satoshi; Saito, Noriko; Sampei, Gen-ichi;
Satoh, Yu-ji; Sivasundaram, Suharnan; Tagami, Hideaki; Takahashi,
Hideyuki; Takeda, Jin-ichi; Takemoto, Keiko; Uehara, Kazuyuki; Wada,
Chieko; Yamagata, Sayaka; Horiuchi, Takashi
CS Department Genetics, Hyogo College Medicine, Nishinomiya, 663, Japan
SO DNA Research (1997), 4(2), 91-113, 169-178
CODEN: DARSE8; ISSN: 1340-2838
```


PB Kazusa DNA Research Institute
DT Journal
LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l30 bib hit

L30 ANSWER 1 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:1012134 CAPLUS
DN 141:421056
TI Expressed sequence tags and encoded human proteins
IN Edwards, Jean-Baptiste Dumas Milne; Duclert, Aymeric; Giordano, Jean-Yves
PA Genset S.A., Fr.
SO U.S., 72 pp., Cont.-in-part of Appl. No. PCT/IB99/00712.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6822072	B1	20041123	US 1999-471276	19991221
	WO 9953051	A2	19991021	WO 1999-IB712	19990409 <--
	WO 9953051	A3	20000406		
	W: AU, CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	WO 9953051	A2	19991021	WO 1999-IB712	19990409 <--
	WO 9953051	A3	20000406		
	W: AU, CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				

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795886-94-1	795886-95-2			

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (amino acid sequence; expressed sequence tags and encoded human proteins)

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L30 ANSWER 2 OF 224 CAPLUS COPYRIGHT 2005 ACS on STM

AN 2003:413994 CAPLUS

DN 138:397343

TI Cloning and cDNA and deduced amino acid sequences of 97 human secreted proteins

IN Ruben, Steven M.; Florence, Kimberly A.; Ni, Jian; Rosen, Craig A.; Carter, Kenneth C.; Moore, Paul A.; Olsen, Henrik S.; Shi, Yanggu; Young, Paul E.; Wei, Ying-fei; Brewer, Laurie A.; Soppet, Daniel R.; Lafleur, David W.; Endress, Gregory A.; Ebner, Reinhard; Birse, Charles E.

PA USA

SO U.S. Pat. Appl. Publ., 453 pp., Cont.-in-part of U.S. Ser. No. 892,877.

CODEN: USXXCO

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FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	WO 9958660	A1	19991118	WO 1999-US9847	19990506 <--
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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PRAI	US 1998-85093P	P	19980512		

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AN 2003:300540 CAPLUS

DN 138:319704

TI Mammalian cytokine AK155 polypeptides, polynucleotides and antibodies for diagnosis and treatment of immune disease and inflammation

IN De Waal, Malefyt Rene; Flickensher, Helmut; Fleckenstein, Bernhard; Knappe, Andrea

PA Schering Corp., USA

SO U.S. Pat. Appl. Publ., 39 pp., Cont.-in-part of U.S. Ser. No. 363,993.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PRAI	US 1996-27368P	P	19960923		
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L30 ANSWER 4 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

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TI Secreted and transmembrane proteins of human and cDNAs encoding them and their uses

IN Baker, Kevin P.; Beresini, Maureen; Deforge, Laura; Desnoyers, Luc; Fivaroff, Ellen; Gao, Wei-qiang; Gerritsen, Mary E.; Goddard, Audrey; Godowski, Paul J.; Gurney, Austin L.; Sherwood, Steven; Smith, Victoria; Stewart, Timothy A.; Tumas, Daniel; Watanabe, Colin K.; Wood, William I.; Zhang, Zemin

PA Genentech, Inc., USA

SO U.S. Pat. Appl. Publ., 663 pp., Cont.-in-part of U.S. Ser. No. 28,072.
CODEN: USXXCO

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	US 2003175856	A1	20030918	US 1998-114844	19980714

ZA 9808388	A	20000322	ZA 1998-8388	19980914
ZA 9808460	A	19990319	ZA 1998-8460	19980916 <--
CA 2303834	AA	19990325	CA 1998-2303834	19980916 <--
EP 1205489	A1	20020515	EP 2001-127792	19980916
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EP 1207168	A1	20020522	EP 2001-127794	19980916
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JP 2002238586	A2	20020827	JP 2001-385205	19980916
JP 2002238587	A2	20020827	JP 2001-385248	19980916
JP 2002238588	A2	20020827	JP 2001-385315	19980916
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ZA 9809147	A	20000407	ZA 1998-9147	19981007
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CA 2306450	AA	19990506	CA 1998-2306450	19981029 <--
AU 9911260	A1	19990517	AU 1999-11260	19981029 <--
ZA 9809871	A	20000502	ZA 1998-9871	19981029
ZA 9809877	A	20000502	ZA 1998-9877	19981029
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AN 2003:429030 CAPLUS

DN 139:19515

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IN Nano, Francis E.

PA University of Victoria Innovation and Development Corporation, Can.

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DT Patent

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	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
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Levitt, Roy C., Plymouth Meeting, PA, United States

Maloy, W. Lee, Plymouth Meeting, PA, United States

Louahed, Jamila, Plymouth Meeting, PA, United States

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Dong, Qu, Plymouth Meeting, PA, United States

PA Genaera Corporation, Plymouth Meeting, PA, United States (U.S. corporation)

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DT Utility
FS GRANTED
EXNAM Primary Examiner: Mertz, Prema
LREP Morgan, Lewis & Bockius LLP
CLMN Number of Claims: 32
ECL Exemplary Claim: 1
DRWN 30 Drawing Figure(s); 27 Drawing Page(s)
LN.CNT 3136
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Tagle, Danilo A., Gaithersburg, MD, United States
Morris, Jill A., Chalfont, PA, United States
Pentchev, Peter G., Kensington, MD, United States
Pavan, William J., Derwood, MD, United States
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DT Utility
FS GRANTED
EXNAM Primary Examiner: Eyler, Yvonne; Assistant Examiner: Brannock, Michael
LREP Klarquist Sparkman, LLP
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
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L30 ANSWER 8 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
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William I.
PA Genentech, Inc., USA
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CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 119

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PRAI WO 1999-US5028	W	19990308		
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WO 1998-US21141	W	19981007
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US 1999-119537P	P	19990210
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WO 2000-US4414	W	20000222
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RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 9 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1
AN 1999:748242 CAPLUS
DN 131:347566
TI Protein and cDNA sequences encoding a human IL-10 homolog, designated
IL-XX, and uses thereof
IN Knappe, Andrea; Fickenscher, Helmut; Fleckenstein, Bernhard
PA Germany
SO U.S., 21 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 3

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	US 2002054877	A1	20020509	US 1999-363993	19990729	
	US 2003073199	A1	20030417	US 2002-83720	20020228	
	US 6797813	B2	20040928			
PRAI	US 1996-27368P	P	19960923			
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	US 1999-363993	B2	19990729			
	US 2001-302176P	P	20010628			
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RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 10 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2
AN 1999:518246 CAPLUS
DN 131:154022
TI Neuropeptide Y receptor and use for drug screening
IN Cascieri, Margaret A.; MacNeil, Douglas J.; Shiao, Lin-lin; Weinberg,
David H.; Tan, Carina P.; Linemeyer, David L.; Strader, Catherine D.
PA Merck and Co., Inc., USA
SO U.S., 35 pp., Cont.-in-part of U.S. 5,621,079.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
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PI	US 5939263	A	19990817	US 1997-894236	19970725	<--
	US 5621079	A	19970415	US 1995-415818	19950403	<--
	WO 9623809	A1	19960808	WO 1996-US1444	19960130	<--
	W: CA, JP, US, US					
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
PRAI	US 1995-383746	B2	19950203			
	US 1995-415818	A2	19950403			
	WO 1996-US1444	W	19960130			

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 11 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1999:795849 CAPLUS
 DN 132:45832
 TI Mammalian sperm protein pkdrej, its cDNA and methods of identifying
 substances modulating acrosome reaction
 IN Harris, Peter Charles; Hugues, James Raymond; Ward, Christopher James
 PA Medical Research Council, UK
 SO PCT Int. Appl., 41 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9964457	A1	19991216	WO 1999-GB1839	19990610 <--
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9942810	A1	19991230	AU 1999-42810	19990610 <--
PRAI	GB 1998-12534	A	19980610		
	WO 1999-GB1839	W	19990610		
RE.CNT	7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L30 ANSWER 12 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1999:736899 CAPLUS
 DN 132:956
 TI Cloning and cDNA and deduced amino acid sequences of 97 human secreted
 proteins
 IN Ruben, Steven M.; Florence, Kimberly; Ni, Jian; Rosen, Craig A.; Carter,
 Kenneth C.; Moore, Paul A.; Olsen, Henrik S.; Shi, Yang-Gu; Young, Paul
 E.; Wei, Fing-Fei; Brewer, Laurie A.; Soppet, Daniel R.; Lafleur, David
 W.; Endress, Gregory A.; Ebner, Reinhard
 PA Human Genome Sciences, Inc., USA
 SO PCT Int. Appl., 475 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958660	A1	19991118	WO 1999-US9847	19990506 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2332109	AA	19991118	CA 1999-2332109	19990506 <--
	CA 2404693	AA	19991118	CA 1999-2404693	19990506 <--
	EP 1078046	A1	20010228	EP 1999-921691	19990506
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002533058	T2	20021008	JP 2000-548451	19990506

	US 2003077809	A1	20030424	US 2001-892877	20010628
	US 2003100051	A1	20030529	US 2001-948783	20010910
PRAI	US 1998-85093P	P	19980512		
	US 1998-85094P	P	19980512		
	US 1998-85105P	P	19980512		
	US 1998-85180P	P	19980512		
	US 1998-85906P	P	19980518		
	US 1998-85920P	P	19980518		
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	US 1998-85922P	P	19980518		
	US 1998-85923P	P	19980518		
	US 1998-85924P	P	19980518		
	US 1998-85925P	P	19980518		
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	US 1998-85928P	P	19980518		
	CA 1999-2332109	A3	19990506		
	WO 1999-US9847	W	19990506		
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RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L30 ANSWER 13 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:723169 CAPLUS

DN 131:348189

TI Human receptor (REC) polypeptides and polynucleotides, sequences, and biological and therapeutic uses thereof

IN Hillman, Jennifer L.; Bandman, Olga; Tang, Y. Tom; Yue, Henry; Lal, Preeti; Corley, Neil C.; Guegler, Karl J.; Patterson, Chandra

PA Incyte Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 94 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9957270	A2	19991111	WO 1999-US9191	19990428 <--
	WO 9957270	A3	20000106		
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,				
	KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,				
	NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,				
	UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,				
	ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,				
	CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2327355	AA	19991111	CA 1999-2327355	19990428 <--
	AU 9936684	A1	19991123	AU 1999-36684	19990428 <--
	EP 1076696	A2	20010221	EP 1999-918871	19990428
	R:				
	BE, DE, ES, FR, GB, IT, NL				
	JP 2002513570	T2	20020514	JP 2000-547225	19990428
PRAI	US 1998-71822	A2	19980501		
	WO 1999-US9191	W	19990428		

L30 ANSWER 14 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:673017 CAPLUS

DN 131:307686

TI 5'-Expressed sequence tags for secreted proteins identified from human tissues

IN Dumas Milne Edwards, Jean-Baptiste; Duclert, Aymeric; Giordano, Jean-Yves

PA Genset S. A., Fr.

SO PCT Int. Appl., 837 pp.

CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9953051	A2	19991021	WO 1999-IB712	19990409 <--
	WO 9953051	A3	20000406		
	W: AU, CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2319089	AA	19991021	CA 1999-2319089	19990409 <--
	AU 9930501	A1	19991101	AU 1999-30501	19990409 <--
	AU 764571	B2	20030821		
	EP 1068312	A2	20010117	EP 1999-912007	19990409
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002511259	T2	20020416	JP 2000-543599	19990409
	US 6822072	B1	20041123	US 1999-471276	19991221
PRAI	US 1998-57719	A	19980409		
	US 1998-69047	A	19980428		
	WO 1999-IB712	W	19990409		

L30 ANSWER 15 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:614249 CAPLUS

DN 131:252536

TI Assays for screening compounds which interact with cation channel proteins, mutant prokaryotic cation channel proteins, and uses thereof

IN MacKinnon, Roderick

PA The Rockefeller University, USA

SO PCT Int. Appl., 165 pp.

CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9947923	A2	19990923	WO 1999-US6307	19990322 <--
	WO 9947923	A3	20021003		
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2323725	AA	19990923	CA 1999-2323725	19990322 <--
	AU 9931988	A1	19991011	AU 1999-31988	19990322 <--
	EP 1062508	A1	20001227	EP 1999-914058	19990322
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	US 1998-45529	A	19980320		
	US 1998-54347	A2	19980402		
	WO 1999-US6307	W	19990322		

L30 ANSWER 16 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:614169 CAPLUS

DN 131:238829

TI Human and murine G protein-coupled heptahelical receptor D6 and its cDNA sequences and therapeutic uses

IN Graham, Gerard J.; Benjamin, Nibbs Robert J.; Gonzalo, Jose-Angel; Gutierrez-Ramos, Jose-Carlos

PA Millennium Pharmaceuticals, Inc., USA; CRC Technology Limited
 SO PCT Int. Appl., 152 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9947697	A1	19990923	WO 1999-US6075	19990319 <--
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6287805	B1	20010911	US 1998-45583	19980320
	AU 9931940	A1	19991011	AU 1999-31940	19990319 <--
	EP 1064395	A1	20010103	EP 1999-913987	19990319
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 6403767	B1	20020611	US 2000-534185	20000324
	US 2003162943	A1	20030828	US 2002-164649	20020607
PRAI	US 1998-45583	A	19980320		
	WO 1999-US6075	W	19990319		
	US 2000-534185	A3	20000324		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 17 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1999:576793 CAPLUS
 DN 131:195462
 TI Protein and cDNA sequences for human and mouse IL-9 Induced Calcium Activated Chloride Channels (ICACC) and uses thereof in the treatment of atopic allergies, asthma, inflammatory bowel disease, and cystic fibrosis
 IN Holroyd, Kenneth J.; Levitt, Roy C.; Maloy, W. Lee; Louahed, Jamila; McLane, Mike; Nicolaides, Nicholas C.; Zhou, Yuhong; Dong, Qu
 PA Magainin Pharmaceuticals, Inc., USA
 SO PCT Int. Appl., 75 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9944620	A1	19990910	WO 1999-US4703	19990303 <--
	W: AU, CA, JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2321664	AA	19990910	CA 1999-2321664	19990303 <--
	AU 9929819	A1	19990920	AU 1999-29819	19990303 <--
	AU 768507	B2	20031211		
	EP 1067940	A1	20010117	EP 1999-911092	19990303
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002505095	T2	20020219	JP 2000-534221	19990303
	US 6576434	B1	20030610	US 2001-623624	20010213
	US 2003078409	A1	20030424	US 2002-270595	20021016
	US 6716603	B2	20040406		
	US 2004204578	A1	20041014	US 2004-772437	20040206
PRAI	US 1998-76815P	P	19980303		
	WO 1999-US4703	W	19990303		

US 2001-623624 A3 20010213

US 2002-270595 A3 20021016

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 18 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:388051 CAPLUS

DN 131:56596

TI Phaseolus genes expressed during senescence and their promoters and the stage-specific expression of foreign genes

IN Gepstein, Shimon; Hajuoje, Taleb; Rosner, Amalia

PA Vitality Biotechnologies, Inc., USA

SO PCT Int. Appl., 69 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9929159	A1	19990617	WO 1998-US25799	19981208 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2318476	AA	19990617	CA 1998-2318476	19981208 <--
AU 9918047	A1	19990628	AU 1999-18047	19981208 <--
EP 1045631	A1	20001025	EP 1998-962909	19981208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI US 1997-67898P	P	19971208		
WO 1998-US25799	W	19981208		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 19 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:48801 CAPLUS

DN 130:120476

TI Genes for Niemann-Pick type C disease

IN Carstea, Eugene D.; Tagle, Danilo A.; Morris, Jill A.; Pentchev, Peter G.; Pavan, William J.; Rosenfeld, Melissa A.; Loftus, Stacie K.; Gu, Jessie

PA United States Dept. of Health and Human Services, USA

SO PCT Int. Appl., 100 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9901555	A1	19990114	WO 1998-US13862	19980702 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9882869	A1	19990125	AU 1998-82869	19980702 <--
US 6426198	B1	20020730	US 1999-462136	19990601
US 2003092038	A1	20030515	US 2002-208731	20020729

PRAI US 1997-51682P P 19970703
 WO 1998-US13862 W 19980702
 US 1999-462136 A3 19990601
 RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 20 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1999:802470 CAPLUS
 DN 132:45817
 TI Cloning of gene for cytochrome bd type quinol oxidase from Brevibacterium
 lactofermentum
 IN Sone, Nobufumi
 PA Ajinomoto Co., Inc., Japan
 SO Jpn. Kokai Tokkyo Koho, 19 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	JP 11346776	A2	19991221	JP 1998-164019	19980611	<--
	AU 9933926	A1	19991223	AU 1999-33926	19990608	<--
	AU 749069	B2	20020620			
	US 6156886	A	20001205	US 1999-327504	19990608	
	EP 967282	A2	19991229	EP 1999-110980	19990609	<--
	EP 967282	A3	20011205			
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
	MX 9905412	A	20000831	MX 1999-5412	19990610	
	CN 1239142	A	19991222	CN 1999-108450	19990611	<--
	KR 2000006104	A	20000125	KR 1999-21716	19990611	
	BR 9902248	A	20000502	BR 1999-2248	19990611	
PRAI	JP 1998-164019	A	19980611			

=> d l30 21-30 Ti in so pn

L30 ANSWER 21 OF 224 USPATFULL on STN
 TI Proteins involved in the synthesis and assembly of O-antigen in
 Pseudomonas aeruginosa
 IN Lam, Joseph S., Guelph, Canada
 Burrows, Lori, Guelph, Canada
 Charter, Deborah, Guelph, Canada
 de Kievit, Teresa, Guelph, Canada
 PI US 5994072 19991130 <--

L30 ANSWER 22 OF 224 USPATFULL on STN
 TI Rolling mill roll stand
 IN Woodrow, Harold E., Northboro, MA, United States
 Shore, T. Michael, Princeton, MA, United States
 PI US 5983694 19991116 <--

L30 ANSWER 23 OF 224 USPATFULL on STN
 TI Fine magnetic particles containing useful proteins bound thereto,
 process for producing the same, and use thereof
 IN Matsunaga, Tadashi, B-506, 2-40, Saiwai-cho, Funchi-shi, Tokyo, 183,
 Japan
 Kamiya, Shinji, Tokyo, Japan
 Namba, Kenryo, Tokyo, Japan
 PI US 5958706 19990928 <--
 WO 9735964 19971002 <--

L30 ANSWER 24 OF 224 USPATFULL on STN
 TI DNA encoding a 2-acyltransferases

IN Slabas, Antoni Ryszard, High Shincliffe, United Kingdom
 Brown, Adrian Paul, Shadforth, United Kingdom
 PI US 5945323 19990831 <--

L30 ANSWER 25 OF 224 USPATFULL on STN
 TI Microlocal calibration of digital printers
 IN Rao, Ravishankar, White Plains, NY, United States
 Thompson, Gerhard Robert, Wappingers Falls, NY, United States
 Tresser, Charles P., Mamaroneck, NY, United States
 Wu, Chai Wah, Ossining, NY, United States
 PI US 5943477 19990824 <--

L30 ANSWER 26 OF 224 USPATFULL on STN
 TI Mutated penicillin G acylase genes
 IN Van Der Laan, Jan M., Breda, Netherlands
 Riemens, Adriana M., Delft, Netherlands
 Quax, Wilhelmus J., Voorschoten, Netherlands
 PI US 5891703 19990406 <--
 WO 9605318 19960222 <--

L30 ANSWER 27 OF 224 USPATFULL on STN
 TI Fusion protein-bound magnetic particles for recombinant production and
 magnetic separation of polypeptides of interest
 IN Matsunaga, Tadashi, Fuchu, Japan
 PI US 5861285 19990119 <--

L30 ANSWER 28 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Comparative genetics of capsular polysaccharide biosynthesis in
 Streptococcus pneumoniae types belonging to serogroup 19
 SO Journal of Bacteriology (1999), 181(17), 5355-5364
 CODEN: JOBAAY; ISSN: 0021-9193

L30 ANSWER 29 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The Caenorhabditis elegans unc-49 locus encodes multiple subunits of a
 heteromultimeric GABA receptor
 SO Journal of Neuroscience (1999), 19(13), 5348-5359
 CODEN: JNRSDS; ISSN: 0270-6474

L30 ANSWER 30 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Analysis of the 5' portion of the type 19A capsule locus identifies two
 classes of cpsC, cpsD, and cpsE genes in Streptococcus pneumoniae
 SO Journal of Bacteriology (1999), 181(11), 3599-3605
 CODEN: JOBAAY; ISSN: 0021-9193

=> d l30 31-224 Ti in so pn

L30 ANSWER 31 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1
 SO Science (Washington, D. C.) (1999), 286(5444), 1571-1577
 CODEN: SCIEAS; ISSN: 0036-8075

L30 ANSWER 32 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Sequence and analysis of chromosome 4 of the plant Arabidopsis thaliana
 SO Nature (London) (1999), 402(6763), 769-777
 CODEN: NATUAS; ISSN: 0028-0836

L30 ANSWER 33 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana
 SO Nature (London) (1999), 402(6763), 760-768
 CODEN: NATUAS; ISSN: 0028-0836

L30 ANSWER 34 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Identification of a human homolog of the sea urchin receptor for egg

- jelly: a polycystic kidney disease-like protein
 SO Human Molecular Genetics (1999), 8(3), 543-549
 CODEN: HMGEE5; ISSN: 0964-6906
- L30 ANSWER 35 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The Genomic Organization and Polymorphism Analysis of the Human
 Niemann-Pick C1 Gene
 SO Biochemical and Biophysical Research Communications (1999),
 261(2), 493-498
 CODEN: BBRCA9; ISSN: 0006-291X
- L30 ANSWER 36 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The functional role of alternative splicing of Ca²⁺-activated K⁺ channels
 in auditory hair cells
 SO Annals of the New York Academy of Sciences (1999), 868(Molecular
 and Functional Diversity of Ion Channels and Receptors), 379-385
 CODEN: ANYAA9; ISSN: 0077-8923
- L30 ANSWER 37 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Evidence for lateral gene transfer between Archaea and bacteria from
 genome sequence of Thermotoga maritima
 SO Nature (London) (1999), 399(6734), 323-329
 CODEN: NATUAS; ISSN: 0028-0836
- L30 ANSWER 38 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning, expression and electrophysiological characterization of glycine
 receptor alpha subunit from zebrafish
 SO Neuroscience (Oxford) (1999), 90(1), 303-317
 CODEN: NRSCDN; ISSN: 0306-4522
- L30 ANSWER 39 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Identification of three novel members of the calcium-dependent chloride
 channel (CaCC) family predominantly expressed in the digestive tract and
 trachea
 SO FEBS Letters (1999), 455(3), 295-301
 CODEN: FEBLAL; ISSN: 0014-5793
- L30 ANSWER 40 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The frost Gene of Neurospora crassa Is a Homolog of Yeast cdcl and Affects
 Hyphal Branching via Manganese Homeostasis
 SO Fungal Genetics and Biology (1999), 28(3), 227-237
 CODEN: FGBIFV; ISSN: 1087-1845
- L30 ANSWER 41 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Prediction of the coding sequences of unidentified human genes. XIV. The
 complete sequences of 100 new cDNA clones from brain which code for large
 proteins in vitro
 SO DNA Research (1999), 6(3), 197-205
 CODEN: DARSE8; ISSN: 1340-2838
- L30 ANSWER 42 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The complete nucleotide sequence of RNA2 of blackcurrant reversion
 nepovirus
 SO Virus Research (1999), 65(1), 87-92
 CODEN: VIREDF; ISSN: 0168-1702
- L30 ANSWER 43 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Identification of an inhibitory Zn²⁺ binding site on the human glycine
 receptor α 1 subunit
 SO Journal of Physiology (Cambridge, United Kingdom) (1999),
 520(1), 53-64
 CODEN: JPHYA7; ISSN: 0022-3751
- L30 ANSWER 44 OF 224 USPATFULL on STN

TI Interference blind type bolt
 IN Travis, Robert D., Tucson, AZ, United States
 PI US 5810530 19980922 <--

L30 ANSWER 45 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3
 TI Animals cells expressing an insect GABA receptor subunit genes and screening for ligands of the receptor
 IN Tomalski, Michael D.; Gant, Daniel B.
 SO U.S., 28 pp.
 CODEN: USXXAM

PATENT NO.	KIND	DATE	
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PI US 5854002	A	19981229	<--

L30 ANSWER 46 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning, cDNA sequences, and antifungal and oxidase activities of plant antifungal proteins
 IN Stuiver, Maarten Hendrik; Custers, Jerome Hubertus Henricus Victor; Sela-Buurlage, Marianne Beatrix; Melchers, Leo Sjoerd; Van Deventer-Troost, Johanna Pieterella Els; Lageweg, Wessel; Ponstein, Anne Silene
 SO PCT Int. Appl., 139 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	
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PI WO 9813478	A2	19980402	<--
WO 9813478	A3	19980820	
CA 2264567	AA	19980402	<--
AU 9858531	A1	19980417	<--
AU 718274	B2	20000413	
EP 939798	A2	19990908	<--
EP 939798	B1	20041117	
CN 1233290	A	19991027	<--
NZ 334517	A	20000327	
JP 2001502525	T2	20010227	
BR 9711291	A	20020122	
US 2002168735	A1	20021114	

L30 ANSWER 47 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Mammalian cytokine, related reagents
 IN Knappe, Andrea; Fickenscher, Helmut; Fleckenstein, Bernard
 SO PCT Int. Appl., 63 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	
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PI WO 9812330	A1	19980326	<--
AU 9741334	A1	19980414	<--

L30 ANSWER 48 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Complete genome sequence of the methanogenic archaeon, Methanococcus jannaschii
 IN Bult, Carol J.; White, Owen R.; Smith, Hamilton O.; Woese, Carl R.; Venter, J. Craig
 SO PCT Int. Appl., 615 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	
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PI WO 9807830	A2	19980226	<--
US 6503729	B1	20030107	
US 6797466	B1	20040928	

L30 ANSWER 49 OF 224 USPATFULL on STN
 TI DNA encoding 2-acyltransferases
 IN Slabas, Antoni Ryszard, High Shincliffe, United Kingdom

Brown, Adrian Paul, Shadforth, United Kingdom
 PI US 5843739 19981201 <--
 WO 9413814 19940623 <--

L30 ANSWER 50 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The human glycine receptor subunit $\alpha 3$. GLRA3 gene structure,
 chromosomal localization, and functional characterization of alternative
 transcripts
 SO Journal of Biological Chemistry (1998), 273(31), 19708-19714
 CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 51 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A transposition-induced mutant of Nostoc ellipsosporum implicates an
 arginine-biosynthetic gene in the formation of cyanophycin granules and of
 functional heterocysts and akinetes
 SO Microbiology (Reading, United Kingdom) (1998), 144(7), 1799-1805
 CODEN: MROBEO; ISSN: 1350-0872

L30 ANSWER 52 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Rapid communication: nucleotide sequence of the coding region for the
 porcine $\beta 1$ -adrenergic receptor gene
 SO Journal of Animal Science (1998), 76(6), 1720-1721
 CODEN: JANSAG; ISSN: 0021-8812

L30 ANSWER 53 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI P-type ATPases mediate sodium and potassium effluxes in Schwanniomycetes
 occidentalis
 SO Journal of Biological Chemistry (1998), 273(3), 1640-1646
 CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 54 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Molecular timing of primate divergences as estimated by two nonprimate
 calibration points
 SO Journal of Molecular Evolution (1998), 47(6), 718-727
 CODEN: JMEVAU; ISSN: 0022-2844

L30 ANSWER 55 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Identification of Ca^{2+} -activated K^{+} channel splice variants and their
 distribution in the turtle cochlea
 SO Proceedings of the Royal Society of London, Series B: Biological Sciences
 (1998), 265(1397), 685-692
 CODEN: PRLBA4; ISSN: 0962-8452

L30 ANSWER 56 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Reassessment of Dalbulus leafhopper (Homoptera: Cicadellidae) phylogeny
 based on mitochondrial DNA sequences
 SO Annals of the Entomological Society of America (1998), 91(5),
 590-597
 CODEN: AESAAI; ISSN: 0013-8746

L30 ANSWER 57 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Deciphering the biology of Mycobacterium tuberculosis from the complete
 genome sequence
 SO Nature (London) (1998), 393(6685), 537-544
 CODEN: NATUAS; ISSN: 0028-0836

L30 ANSWER 58 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The GABAA receptor $\gamma 1$ -subunit in seizure prone (DBA/2) and resistant
 (C57BL/6) mice
 SO Brain Research Bulletin (1998), 45(4), 421-425
 CODEN: BRBUDU; ISSN: 0361-9230

L30 ANSWER 59 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning of the fatty acid synthetase β subunit from fission yeast,

- coexpression with the α subunit, and purification of the intact multifunctional enzyme complex
- SO Protein Expression and Purification (1998), 13(3), 403-413
CODEN: PEXPEJ; ISSN: 1046-5928
- L30 ANSWER 60 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI The mitochondrial DNA molecule of the hagfish (*Myxine glutinosa*) and vertebrate phylogeny
- SO Journal of Molecular Evolution (1998), 46(4), 382-388
CODEN: JMEVAU; ISSN: 0022-2844
- L30 ANSWER 61 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI Complete genome sequence of *Treponema pallidum*, the syphilis spirochete
- SO Science (Washington, D. C.) (1998), 281(5375), 375-388
CODEN: SCIEAS; ISSN: 0036-8075
- L30 ANSWER 62 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI The human glycine receptor β subunit gene (GLRB): structure, refined chromosomal localization, and population polymorphism
- SO Genomics (1998), 50(3), 341-345
CODEN: GNMCEP; ISSN: 0888-7543
- L30 ANSWER 63 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI The complete DNA sequence and genome organization of the avian adenovirus, hemorrhagic enteritis virus
- SO Virology (1998), 249(2), 307-315
CODEN: VIRLAX; ISSN: 0042-6822
- L30 ANSWER 64 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI Molecular and pharmacological properties of GABA- ρ subunits from white perch retina
- SO Journal of Neurobiology (1998), 37(2), 305-320
CODEN: JNEUBZ; ISSN: 0022-3034
- L30 ANSWER 65 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI Genomic cloning, molecular characterization, and functional analysis of human CLCA1, the first human member of the family of CA2+-activated Cl-channel proteins
- SO Genomics (1998), 54(2), 200-214
CODEN: GNMCEP; ISSN: 0888-7543
- L30 ANSWER 66 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI Deciphering the biology of *Mycobacterium tuberculosis* from the complete genome sequence. [Erratum to document cited in CA129:77224]
- SO Nature (London) (1998), 396(6707), 190-198
CODEN: NATUAS; ISSN: 0028-0836
- L30 ANSWER 67 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI The complete genome sequence of the hyperthermophilic, sulfate-reducing archaeon *Archaeoglobus fulgidus*. [Erratum to document cited in CA128:84966]
- SO Nature (London) (1998), 394(6688), 101
CODEN: NATUAS; ISSN: 0028-0836
- L30 ANSWER 68 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI A new strain of potato carlavirus M
- SO Plant Disease (1998), 82(1), 98-102
CODEN: PLDIDE; ISSN: 0191-2917
- L30 ANSWER 69 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
- TI Complete sequence and gene organization of the genome of a hyper-thermophilic archaeobacterium, *Pyrococcus horikoshii* OT3
- SO DNA Research (1998), 5(2), 55-76
CODEN: DARSE8; ISSN: 1340-2838

L30 ANSWER 70 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4
 TI GABAA receptor epsilon subunit
 IN Li, Yi; Kirkness, Ewen F.
 SO U.S., 29 pp.
 CODEN: USXXAM
 PATENT NO. KIND DATE

PI	US 5654172	A	19970805	<--
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L30 ANSWER 71 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5
 TI Recombinant neuropeptide Y receptors
 IN Cascieri, Margaret A.; Linemeyer, David L.; Macneil, Douglas J.; Shiao, Lin-lin; Strader, Catherine D.; Weinberg, David H.; Tan, Carina P.
 SO U.S., 33 pp., Cont.-in-part of U.S. Ser. No. 383,746.
 CODEN: USXXAM
 PATENT NO. KIND DATE

PI	US 5621079	A	19970415	<--
	CA 2212225	AA	19960808	<--
	WO 9623809	A1	19960808	<--
	EP 809648	A1	19971203	<--
	JP 11500610	T2	19990119	<--
	US 5939263	A	19990817	<--

L30 ANSWER 72 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI C14 sterol reductases of plants, nucleic acids encoding them, and transgenic plants with altered C14 sterol reductase levels
 IN Jang, Jyan-Chyun; Sheen, Jen
 SO PCT Int. Appl., 71 pp.
 CODEN: PIXXD2
 PATENT NO. KIND DATE

PI	WO 9748793	A1	19971224	<--
	CA 2258571	AA	19971224	<--
	AU 9734939	A1	19980107	<--
	EP 954568	A1	19991110	<--
	US 2003126630	A1	20030703	
	US 6639130	B2	20031028	

L30 ANSWER 73 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Proteins involved in the synthesis and assembly of the O-antigen of Pseudomonas aeruginosa and the genes encoding them
 IN Lam, Joseph S.; Burrows, Lori; Charter, Deborah; De Kievit, Teresa
 SO PCT Int. Appl., 194 pp.
 CODEN: PIXXD2
 PATENT NO. KIND DATE

PI	WO 9741234	A2	19971106	<--
	WO 9741234	A3	19980129	
	AU 9723774	A1	19971119	<--
	EP 904376	A2	19990331	<--
	US 5994072	A	19991130	<--
	US 2003124634	A1	20030703	

L30 ANSWER 74 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Preparation of proteins by expression of a fusion protein containing a membrane-binding protein of magnetic bacteria and use of the fusion protein
 IN Matsunaga, Tadashi; Kamiya, Shinji; Namba, Kenryo
 SO PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 PATENT NO. KIND DATE

PI	WO 9735964	A1	19971002	<--
	EP 834560	A1	19980408	<--
	EP 834560	B1	20040519	
	US 5958706	A	19990928	<--

L30 ANSWER 75 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Genes and proteins involved in the synthesis and assembly of O-antigen in *Pseudomonas aeruginosa*
 IN Lam, Joseph S.; Burrows, Lori; Charter, Deborah; De Kievit, Teresa
 SO Can. Pat. Appl., 195 pp.
 CODEN: CPXXEB
 PATENT NO. KIND DATE
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PI	CA 2175435	AA	19971031	<--
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L30 ANSWER 76 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A novel class of GABAA receptor subunit in tissues of the reproductive system
 SO Journal of Biological Chemistry (1997), 272(24), 15346-15350
 CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 77 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning and characterization of a novel murine β chemokine receptor, D6. Comparison to three other related macrophage inflammatory protein-1 α receptors, CCR-1, CCR-3, and CCR-5
 SO Journal of Biological Chemistry (1997), 272(19), 12495-12504
 CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 78 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Complete genome sequence of *Methanobacterium thermoautotrophicum* Δ H: functional anal. and comparative genomics
 SO Journal of Bacteriology (1997), 179(22), 7135-7155
 CODEN: JOBAA; ISSN: 0021-9193

L30 ANSWER 79 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Sequencing and functional annotation of the *Bacillus subtilis* genes in the 200 kb *rrnB-dnaB* region
 SO Microbiology (Reading, United Kingdom) (1997), 143(11), 3431-3441
 CODEN: MROBEO; ISSN: 1350-0872

L30 ANSWER 80 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A geographically widespread plasmid from *Thiobacillus ferrooxidans* has genes for ferredoxin-, FNR-, prismsane- and NADH-oxidoreductase-like proteins which are also located on the chromosome
 SO Microbiology (Reading, United Kingdom) (1997), 143(10), 3123-3136
 CODEN: MROBEO; ISSN: 1350-0872

L30 ANSWER 81 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Identification and characterization of a DNA region involved in the export of capsular polysaccharide by *Actinobacillus pleuropneumoniae* serotype 5a
 SO Infection and Immunity (1997), 65(6), 2491-2496
 CODEN: INFIBR; ISSN: 0019-9567

L30 ANSWER 82 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Complete genome sequence of *Escherichia coli* K-12
 SO Science (Washington, D. C.) (1997), 277(5331), 1453-1462
 CODEN: SCIEAS; ISSN: 0036-8075

L30 ANSWER 83 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Differential distribution of Ca²⁺-activated K⁺ channel splice variants among hair cells along the tonotopic axis of the chick cochlea
 SO Neuron (1997), 19(5), 1077-1085

CODEN: NERNET; ISSN: 0896-6273

- L30 ANSWER 84 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Distribution of Ca²⁺-activated K⁺ channel isoforms along the tonotopic gradient of the chicken's cochlea
SO Neuron (1997), 19(5), 1061-1075
CODEN: NERNET; ISSN: 0896-6273
- L30 ANSWER 85 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Molecular cloning and expression of a novel rat CC-chemokine receptor (rCCR10rR) that binds MCP-1 and MIP-1 β with high affinity
SO DNA and Cell Biology (1997), 16(9), 1023-1030
CODEN: DCEBE8; ISSN: 1044-5498
- L30 ANSWER 86 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI cSlo encodes calcium-activated potassium channels in the chick's cochlea
SO Proceedings of the Royal Society of London, Series B: Biological Sciences (1997), 264(1382), 731-737
CODEN: PRLBA4; ISSN: 0962-8452
- L30 ANSWER 87 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI The complete genome sequence of the gastric pathogen Helicobacter pylori
SO Nature (London) (1997), 388(6642), 539-547
CODEN: NATUAS; ISSN: 0028-0836
- L30 ANSWER 88 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Genomic organization and alternative splicing of human PACE4 (SPC4), kexin-like processing endoprotease
SO Journal of Biochemistry (Tokyo) (1997), 122(2), 438-452
CODEN: JOBIAO; ISSN: 0021-924X
- L30 ANSWER 89 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI The complete genome sequence of the hyperthermophilic, sulfate-reducing archaeon Archaeoglobus fulgidus
SO Nature (London) (1997), 390(6658), 364-370
CODEN: NATUAS; ISSN: 0028-0836
- L30 ANSWER 90 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Genetic analysis of magnetic bacteria
SO Materials Science & Engineering, C: Biomimetic Materials, Sensors and Systems (1997), C4(4), 287-289
CODEN: MSCEEE; ISSN: 0928-4931
- L30 ANSWER 91 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Pseudomonas aeruginosa rfc genes of serotypes O2 and O5 could complement O-polymerase-deficient semi-rough mutants of either serotype
SO FEMS Microbiology Letters (1997), 147(2), 251-257
CODEN: FMLED7; ISSN: 0378-1097
- L30 ANSWER 92 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI The complete genome sequence of the gram-positive bacterium Bacillus subtilis
SO Nature (London) (1997), 390(6657), 249-256
CODEN: NATUAS; ISSN: 0028-0836
- L30 ANSWER 93 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Murine model of Niemann-Pick C disease: mutation in a cholesterol homeostasis gene
SO Science (Washington, D. C.) (1997), 277(5323), 232-235
CODEN: SCIEAS; ISSN: 0036-8075
- L30 ANSWER 94 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Niemann-Pick C1 disease gene: homology to mediators of cholesterol homeostasis

SO Science (Washington, D. C.) (1997), 277(5323), 228-231
CODEN: SCIEAS; ISSN: 0036-8075

L30 ANSWER 95 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Construction of a contiguous 874-kb sequence of the Escherichia coli-K12
genome corresponding to 50.0-68.8 min on the linkage map and analysis of
its sequence features
SO DNA Research (1997), 4(2), 91-113, 169-178
CODEN: DARSE8; ISSN: 1340-2838

L30 ANSWER 96 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Identification and transcriptional analysis of a Treponema pallidum operon
encoding a putative ABC transport system, an iron-activated repressor
protein homolog, and a glycolytic pathway enzyme homolog
SO Gene (1997), 197(1/2), 47-64
CODEN: GENED6; ISSN: 0378-1119

L30 ANSWER 97 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI The complete nucleotide sequence of rabbit hemorrhagic disease virus
(Czech strain V351): use of the polymerase chain reaction to detect
replication in Australian vertebrates and analysis of viral population
sequence variation
SO Virus Research (1997), 47(1), 7-17
CODEN: VIREFD; ISSN: 0168-1702

L30 ANSWER 98 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 6
TI DNAs encoding Drosophila ligand-gated chloride channels and a
 γ -aminobutyric acid (GABA) receptor subunits and their expression in
host cells for use in insecticide screening
IN Soderlund, David M.; Knipple, Douglas C.; Henderson, Joseph E.
SO U.S., 37 pp.
CODEN: USXXAM

PATENT NO.	KIND	DATE
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PI US 5487976	A	19960130

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L30 ANSWER 99 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Computer readable system containing Haemophilus influenzae Rd genome
sequence, its manipulation to identify useful fragments thereof, and
genes, control sequences, and encoded proteins
IN Fleischmann, Robert D.; Adams, Mark D.; White, Owen; Smith, Hamilton O.;
Venter, J. Craig
SO PCT Int. Appl., 1146 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE
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PI WO 9633276	A1	19961024
US 6355450	B1	20020312
AU 9655523	A1	19961107
EP 821737	A1	19980204
JP 11501520	T2	19990209
US 6528289	B1	20030304
US 2004018503	A1	20040129

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L30 ANSWER 100 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Mammalian neuropeptide Y receptors and their cDNAs and methods of
identifying substances binding to or modulating activity of the receptors
IN Cascieri, Margaret A.; Linemeyer, David L.; Macneil, Douglas J.; Shiao,
Lin-Lin; Strader, Catherine; Weinberg, David H.; Tan, Carina P.
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE
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PI WO 9623809	A1	19960808

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US 5621079	A	19970415	<--
EP 809648	A1	19971203	<--
JP 11500610	T2	19990119	<--
US 5939263	A	19990817	<--

L30 ANSWER 101 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Human GABAA receptor ϵ subunit and its encoding nucleic acid
 IN Li, Yi; Kirkness, Ewen
 SO PCT Int. Appl., 52 pp.

CODEN: PIXXD2

PATENT NO.	KIND	DATE
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PI WO 9606862	A1	19960307
AU 9512874	A1	19960322
EP 783523	A1	19970716
EP 783523	B1	20041020
ZA 9406937	A	19960308

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L30 ANSWER 102 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Amino acid-substituted penicillin G acylases with altered substrate specificities and the genes encoding them
 IN Van Der Laan, Jan Metske; Quax, Wilhelmus Johannes; Riemens, Adriana Marina

SO PCT Int. Appl., 72 pp.

CODEN: PIXXD2

PATENT NO.	KIND	DATE
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PI WO 9605318	A1	19960222
AU 9533462	A1	19960307
EP 775210	A1	19970528
EP 775210	B1	20000202
CN 1158638	A	19970903
JP 10507072	T2	19980714
ES 2144139	T3	20000601
US 5891703	A	19990406
US 6033823	A	20000307

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L30 ANSWER 103 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

TI Cloning of gene magA of Magnetospirillum

IN Matsunaga, Tadashi

SO Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

PATENT NO.	KIND	DATE
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PI JP 08228782	A2	19960910
US 5861285	A	19990119
US 6033878	A	20000307

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L30 ANSWER 104 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

TI Molecular characterization of a second mouse pancreatic polypeptide receptor and its inactivated human homolog

SO Journal of Biological Chemistry (1996), 271(44), 27776-27781

CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 105 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

TI Inactivation of a novel neuropeptide Y/peptide YY receptor gene in primate species

SO Journal of Biological Chemistry (1996), 271(44), 27217-27220

CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 106 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

TI Cloning and expression of a novel neuropeptide Y receptor

SO Journal of Biological Chemistry (1996), 271(28), 16435-16438

CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 107 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI An Evolutionarily Conserved Binding Site for Serine Proteinase Inhibitors
 in Large Conductance Calcium-Activated Potassium Channels
 SO Biochemistry (1996), 35(50), 16024-16035
 CODEN: BICHAW; ISSN: 0006-2960

L30 ANSWER 108 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A new hepadnavirus endemic in Arctic ground squirrels in Alaska
 SO Journal of Virology (1996), 70(7), 4210-4219
 CODEN: JOVIAM; ISSN: 0022-538X

L30 ANSWER 109 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The p1GABA receptor cloned from rat retina is down-modulated by protons
 SO NeuroReport (1996), 7(12), 2005-2009
 CODEN: NERPEZ; ISSN: 0959-4965

L30 ANSWER 110 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI European brown hare syndrome virus: molecular cloning and sequencing of
 the genome
 SO Journal of General Virology (1996), 77(8), 1693-1697
 CODEN: JGVIAY; ISSN: 0022-1317

L30 ANSWER 111 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Yeast Sequencing Reports: Sequence and analysis of an aldose (xylose)
 reductase gene from the xylose-fermenting yeast Pachysolen tannophilus
 SO Yeast (1996), 12(13), 1367-1375
 CODEN: YESTE3; ISSN: 0749-503X

L30 ANSWER 112 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Sequencing and analysis of a 35.4 kb region on the left arm of chromosome
 IV from Saccharomyces cerevisiae reveal 23 open reading frames
 SO Yeast (1996), 12(10B), 1085-1090
 CODEN: YESTE3; ISSN: 0749-503X

L30 ANSWER 113 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Complete genome sequence of the methanogenic archaeon, Methanococcus
 jannaschii
 SO Science (Washington, D. C.) (1996), 273(5278), 1058-1073
 CODEN: SCIEAS; ISSN: 0036-8075

L30 ANSWER 114 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Molecular analysis of the amy gene locus of Thermoanaerobacterium
 thermosulfurigenes EM1 encoding starch-degrading enzymes and a binding
 protein-dependent maltose transport system
 SO Journal of Bacteriology (1996), 178(4), 1039-46
 CODEN: JOBAAY; ISSN: 0021-9193

L30 ANSWER 115 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning of human pancreatic islet large conductance Ca²⁺-activated K⁺
 channel (hSlo) cDNAs. Evidence for high levels of expression in pancreatic
 islets and identification of a flanking genetic marker
 SO Diabetologia (1996), 39(8), 891-898
 CODEN: DBTG AJ; ISSN: 0012-186X

L30 ANSWER 116 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning and expression of the large-conductance Ca²⁺-activated K⁺ channel
 from colonic smooth muscle
 SO American Journal of Physiology (1996), 271(4, Pt. 1), G629-G639
 CODEN: AJPHAP; ISSN: 0002-9513

L30 ANSWER 117 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Molecular characterization of the Pseudomonas aeruginosa serotype O5
 (PAO1) B-band lipopolysaccharide gene cluster

SO Molecular Microbiology (1996), 22(3), 481-495
CODEN: MOMIEE; ISSN: 0950-382X

L30 ANSWER 118 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Functional characterization of a 5-HT2 receptor cDNA cloned from *Lymnaea stagnalis*
SO European Journal of Pharmacology (1996), 311(2/3), 249-258
CODEN: EJPHAZ; ISSN: 0014-2999

L30 ANSWER 119 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sequence of the immunoregulatory early region 3 and flanking sequences of adenovirus type 35
SO Gene (1996), 170(2), 249-54
CODEN: GENED6; ISSN: 0378-1119

L30 ANSWER 120 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI The human glycine receptor β subunit: primary structure, functional characterization and chromosomal localization of the human and murine genes
SO Molecular Brain Research (1996), 35(1,2), 211-19
CODEN: MBREE4; ISSN: 0169-328X

L30 ANSWER 121 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sequence analysis of the genome of the unicellular cyanobacterium *Synechocystis* sp. strain PCC6803. II. Sequence determination of the entire genome and assignment of potential protein-coding regions (supplement)
SO DNA Research (1996), 3(3), 185-209
CODEN: DARSE8; ISSN: 1340-2838

L30 ANSWER 122 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Genetic analysis of iron biomineralization
SO Biological Effects of Magnetic and Electromagnetic Fields, [Proceedings of an International Symposium on Biological Effects of Magnetic and Electromagnetic Fields], Fukuoka, Sept. 3-4, 1993 (1996), Meeting Date 1993, 171-184. Editor(s): Ueno, Shoogo. Publisher: Plenum, New York, N. Y.
CODEN: 63GNAU

L30 ANSWER 123 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Cloning of a putative γ -aminobutyric acid (GABA) receptor subunit $\rho 3$ cDNA
SO Biochimica et Biophysica Acta (1996), 1305(1/2), 15-18
CODEN: BBACAQ; ISSN: 0006-3002

L30 ANSWER 124 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Human gamma 3 GABA-A receptor subunit, GABA-A receptor expressing cell lines, and use of the cell lines for identifying potential drugs
IN Whiting, Paul John
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	
WO 9529234	A1	19951102	<--
CA 2188258	AA	19951102	<--
EP 756626	A1	19970205	<--
JP 10500007	T2	19980106	<--

L30 ANSWER 125 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI An iron-regulated gene, *magA*, encoding an iron transport protein of *Magnetospirillum* sp. Strain AMB-1
SO Journal of Biological Chemistry (1995), 270(47), 28392-6
CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 126 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

TI Cloning of a γ -aminobutyric acid type C receptor subunit in rat retina with a methionine residue critical for picrotoxinin channel block
 SO Proceedings of the National Academy of Sciences of the United States of America (1995), 92(25), 11756-60
 CODEN: PNASA6; ISSN: 0027-8424

L30 ANSWER 127 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Sequencing and analysis of the prolate-headed lactococcal bacteriophage c2 genome and identification of the structural genes
 SO Applied and Environmental Microbiology (1995), 61(12), 4348-56
 CODEN: AEMIDF; ISSN: 0099-2240

L30 ANSWER 128 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The PMR2 gene cluster encodes functionally distinct isoforms of a putative Na⁺ pump in the yeast plasma membrane
 SO EMBO Journal (1995), 14(16), 3870-82
 CODEN: EMJODG; ISSN: 0261-4189

L30 ANSWER 129 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Similarities between trunk and spatzie, putative extracellular ligands specifying body pattern in Drosophila
 SO Genes & Development (1995), 9(20), 2539-44
 CODEN: GEDEEP; ISSN: 0890-9369

L30 ANSWER 130 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Analysis of the Escherichia coli genome VI: DNA sequence of the region from 92.8 through 100 minutes
 SO Nucleic Acids Research (1995), 23(12), 2105-19
 CODEN: NARHAD; ISSN: 0305-1048

L30 ANSWER 131 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Identification of GABAA receptor subunits in rat retina: cloning of the rat GABAA receptor ρ 2-subunit cDNA
 SO Journal of Neurochemistry (1995), 65(3), 964-8
 CODEN: JONRA9; ISSN: 0022-3042

L30 ANSWER 132 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Molecular cloning and characterization of the rfc gene of Pseudomonas aeruginosa (serotype O5)
 SO Molecular Microbiology (1995), 16(3), 565-74
 CODEN: MOMIEE; ISSN: 0950-382X

L30 ANSWER 133 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Whole-genome random sequencing and assembly of Haemophilus influenzae Rd
 SO Science (Washington, D. C.) (1995), 269(5223), 496-8, 507-12
 CODEN: SCIEAS; ISSN: 0036-8075

L30 ANSWER 134 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Specific changes in the M1 protein during adaptation of influenza virus to mouse
 SO Archives of Virology (1995), 140(2), 383-9
 CODEN: ARVIDF; ISSN: 0304-8608

L30 ANSWER 135 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Expression and pharmacology of human GABAA receptors containing γ 3 subunits
 SO European Journal of Pharmacology, Molecular Pharmacology Section (1995), 291(3), 301-9
 CODEN: EJPPET; ISSN: 0922-4106

L30 ANSWER 136 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A robust fungal phylogeny using the mitochondrially encoded NAD5 protein sequence
 SO Canadian Journal of Botany (1995), 73(Suppl. 1, Sect. A-D, Fifth

International Mycological Congress, Sect. A-D, 1994), S180-S185
CODEN: CJBOAW; ISSN: 0008-4026

L30 ANSWER 137 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sequence analysis of the genome of the unicellular cyanobacterium
Synechocystis sp. strain PCC6803. I. Sequence features in the 1 Mb region
from map positions 64% to 92% of the genome
SO DNA Research (1995), 2(4), 153-66
CODEN: DARSE8; ISSN: 1340-2838

L30 ANSWER 138 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sequence and genomic organization of a rabbit hemorrhagic disease virus
isolated from a wild rabbit
SO Virus Genes (1995), 9(2), 121-32
CODEN: VIGEET; ISSN: 0920-8569

L30 ANSWER 139 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Cloning and characterization of the gene (rfc) encoding O-antigen
polymerase of Pseudomonas aeruginosa PAO1
SO Gene (1995), 167(1/2), 81-6
CODEN: GENED6; ISSN: 0378-1119

L30 ANSWER 140 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI DNA encoding 2-acyltransferases and its use in altering the fatty acid
profile of plant oils
IN Slabas, Antoni Ryszard; Brown, Adrian Paul
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2

	PATENT NO.	KIND	DATE	
PI	WO 9413814	A1	19940623	<--
	CA 2151147	AA	19940623	<--
	AU 9456567	A1	19940704	<--
	AU 694098	B2	19980716	
	EP 673424	A1	19950927	<--
	HU 71785	A2	19960228	<--
	PL 176961	B1	19990831	<--
	US 5843739	A	19981201	<--
	US 5945323	A	19990831	<--
	AU 9889323	A1	19981203	<--

L30 ANSWER 141 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Novel pattern of editing regions in mitochondrial transcripts of the
cryptobiid Trypanoplasma borreli
SO EMBO Journal (1994), 13(21), 5086-98
CODEN: EMJODG; ISSN: 0261-4189

L30 ANSWER 142 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sequence and organization of the lactococcal prolate-headed bIL67 phage
genome
SO Microbiology (Reading, United Kingdom) (1994), 140(11), 3061-9
CODEN: MROBEO; ISSN: 1350-0872

L30 ANSWER 143 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Structural analysis of mouse glycine receptor α subunit genes.
Identification and chromosomal localization of a novel variant, $\alpha 4$
SO Journal of Biological Chemistry (1994), 269(4), 2607-12
CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 144 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sequence of a Drosophila ligand-gated ion-channel polypeptide with an
unusual amino-terminal extracellular domain
SO Journal of Neurochemistry (1994), 62(6), 2480-3
CODEN: JONRA9; ISSN: 0022-3042

L30 ANSWER 145 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The POP1 gene encodes a protein component common to the RNase MRP and
 RNase P ribonucleoproteins
 SO Genes & Development (1994), 8(12), 1423-33
 CODEN: GEDEEP; ISSN: 0890-9369

L30 ANSWER 146 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning, expression, and distribution of functionally distinct
 Ca²⁺-activated K⁺ channel isoforms from human brain
 SO Neuron (1994), 13(6), 1315-30
 CODEN: NERNET; ISSN: 0896-6273

L30 ANSWER 147 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning and characterization of human and mouse homologs of the Drosophila
 calcium-activated potassium channel gene, slowpoke
 SO Human Molecular Genetics (1994), 3(8), 1239-43
 CODEN: HMGEES; ISSN: 0964-6906

L30 ANSWER 148 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Mutagenesis of the GABA $\rho 1$ receptor alters agonist affinity and
 channel gating
 SO NeuroReport (1994), 5(10), 1209-12
 CODEN: NERPEZ; ISSN: 0959-4965

L30 ANSWER 149 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The spastic mouse: aberrant splicing of glycine receptor β subunit
 mRNA caused by intronic insertion of L1 element
 SO Neuron (1994), 13(4), 1003-15
 CODEN: NERNET; ISSN: 0896-6273

L30 ANSWER 150 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Multiple TL-like loci in the grc-G/C region of the rat
 SO Immunogenetics (1994), 39(5), 301-15
 CODEN: IMNGBK; ISSN: 0093-7711

L30 ANSWER 151 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Nucleotide sequences of the psaA and the psaB genes encoding the reaction
 center proteins of Photosystem I in Anabaena variabilis ATCC 29413
 SO Biochimica et Biophysica Acta (1994), 1185(2), 247-51
 CODEN: BBACAQ; ISSN: 0006-3002

L30 ANSWER 152 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Homomeric $\rho 1$ GABA channels: activation properties and domains
 SO Receptors and Channels (1994), 2(3), 227-36
 CODEN: RCHAE4; ISSN: 1060-6823

L30 ANSWER 153 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning and expression of a human large-conductance calcium-activated
 potassium channel
 SO Molecular Brain Research (1994), 27(1), 189-93
 CODEN: MBREE4; ISSN: 0169-328X

L30 ANSWER 154 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning of a putative inhibitory amino acid receptor subunit from the
 parasitic nematode Haemonchus contortus
 SO Receptors and Channels (1994), 2(2), 155-63
 CODEN: RCHAE4; ISSN: 1060-6823

L30 ANSWER 155 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Glycine receptor β -subunit gene mutation in spastic mouse associated
 with LINE-1 element insertion
 SO Nature Genetics (1994), 7(2), 136-42
 CODEN: NGENEC; ISSN: 1061-4036

L30 ANSWER 156 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A missense mutation in the gene encoding the $\alpha 1$ subunit of the
 inhibitory glycine receptor in the spasmodic mouse
 SO Nature Genetics (1994), 7(2), 131-35
 CODEN: NGENEC; ISSN: 1061-4036

L30 ANSWER 157 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Isolation and sequence of the Candida albicans FAS1 gene
 SO Gene (1994), 147(1), 119-24
 CODEN: GENED6; ISSN: 0378-1119

L30 ANSWER 158 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Function and modulation of the cloned glycine receptor channels expressed
 in Xenopus oocytes
 SO Japanese Journal of Physiology (1994), 44(Suppl. 2), S91-S96
 CODEN: JJPHAM; ISSN: 0021-521X

L30 ANSWER 159 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Recombinant DNA sequences and plasmids for cellular immunity vaccines from
 bacterial toxinantigen conjugates
 IN Donnelly, John J.; Liu, Margaret A.; Friedman, Arthur; Marshall, Mark S.;
 Hawe, Linda A.; Montgomery, Donna L.; Oliff, Allen A.; Shi, Xiao Ping;
 Ulmer, Jeffrey
 SO Eur. Pat. Appl., 81 pp.
 CODEN: EPXXDW
 PATENT NO. KIND DATE

 PI EP 541335 A1 19930512 <--
 CA 2081952 AA 19930509 <--
 JP 05227971 A2 19930907 <--

L30 ANSWER 160 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cellular immunity vaccines from bacterial toxin-antigen conjugates
 IN Donnelly, John J.; Liu, Margaret A.; Friedman, Arthur; Montgomery, Donna
 L.; Hawe, Linda A.; Oliff, Allen I.; Shi, Xiao Ping; Ulmer, Jeffrey;
 Marshall, Mark S.
 SO Eur. Pat. Appl., 85 pp.
 CODEN: EPXXDW
 PATENT NO. KIND DATE

 PI EP 532090 A2 19930317 <--
 EP 532090 A3 19941228
 CA 2077277 AA 19930310 <--
 JP 05345800 A2 19931227 <--

L30 ANSWER 161 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Molecular characterization of a novel retinal metabotropic glutamate
 receptor mGluR6 with a high agonist selectivity for L-2-amino-4-
 phosphonobutyrate
 SO Journal of Biological Chemistry (1993), 268(16), 11868-73
 CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 162 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning and sequence analysis of the dnaK gene region of Lactococcus
 lactis subsp. lactis
 SO Journal of General Microbiology (1993), 139(12), 3253-64
 CODEN: JGMIAN; ISSN: 0022-1287

L30 ANSWER 163 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning of the cta operon from alkaliphilic Bacillus firmus OF4 and
 characterization of the pH-regulated cytochrome caa3 oxidase it encodes
 SO Journal of Biological Chemistry (1993), 268(1), 678-85
 CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 164 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI GABAA receptor needs two homologous domains of the β -subunit for activation by GABA but not by pentobarbital
 SO Nature (London, United Kingdom) (1993), 366(6455), 565-9
 CODEN: NATUAS; ISSN: 0028-0836

L30 ANSWER 165 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Characterization of a putative γ -aminobutyric acid (GABA) receptor β subunit gene from *Drosophila melanogaster*
 SO Biochemical and Biophysical Research Communications (1993), 193(2), 474-82
 CODEN: BBRCA9; ISSN: 0006-291X

L30 ANSWER 166 OF 224 MEDLINE on STN
 TI The NodL and NodJ proteins from *Rhizobium* and *Bradyrhizobium* strains are similar to capsular polysaccharide secretion proteins from gram-negative bacteria.
 SO Molecular microbiology, (1993 Apr) 8 (2) 369-77.
 Journal code: 8712028. ISSN: 0950-382X.

L30 ANSWER 167 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Differential expression of two genes encoding isoforms of the ATPase involved in sodium efflux in *Saccharomyces cerevisiae*
 SO Molecular and General Genetics (1993), 236(2-3), 363-8
 CODEN: MGGEAE; ISSN: 0026-8925

L30 ANSWER 168 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI mSlo, a complex mouse gene encoding "maxi" calcium-activated potassium channels
 SO Science (Washington, DC, United States) (1993), 261(5118), 221-4
 CODEN: SCIEAS; ISSN: 0036-8075

L30 ANSWER 169 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A novel invertebrate GABAA receptor-like polypeptide. Sequence and pattern of gene expression
 SO FEBS Letters (1993), 326(1-3), 112-16
 CODEN: FEBLAL; ISSN: 0014-5793

L30 ANSWER 170 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Plasmid pCTD of *Chlamydia trachomatis* serotype D, its isolation and sequencing
 IN Ratti, Giulio; Comanducci, Maurizio; Tecce, Mario F.; Giuliani, Marzia M.
 SO Eur. Pat. Appl., 40 pp.
 CODEN: EPXXDW

	PATENT NO.	KIND	DATE	
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PI	EP 499681	A1	19920826	<--
	EP 499681	B1	19990609	
	AT 181104	E	19990615	<--
	ES 2136062	T3	19991116	<--
	US 6110705	A	20000829	
	US 6248563	B1	20010619	
	US 6096519	A	20000801	

L30 ANSWER 171 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The third γ subunit of the γ -aminobutyric acid type A receptor family
 SO Proceedings of the National Academy of Sciences of the United States of America (1992), 89(4), 1433-7
 CODEN: PNASA6; ISSN: 0027-8424

L30 ANSWER 172 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Identification of a putative γ -aminobutyric acid (GABA) receptor

subunit rho2 cDNA and colocalization of the genes encoding rho2 (GABRR2) and rho1 (GABRR1) to human chromosome 6q14-q21 and mouse chromosome 4

SO Genomics (1992), 12(4), 801-6
CODEN: GNMCEP; ISSN: 0888-7543

L30 ANSWER 173 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Analysis of a human immunodeficiency virus type 1 isolate carrying a truncated transmembrane glycoprotein
SO Virology (1992), 189(2), 534-46
CODEN: VIRLAX; ISSN: 0042-6822

L30 ANSWER 174 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Genomic DNA sequence and organization of a TL-like gene in the grc-G/C region of the rat
SO Immunogenetics (1992), 35(6), 365-77
CODEN: IMNGBK; ISSN: 0093-7711

L30 ANSWER 175 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI The $\alpha 1$, $\alpha 2$, and $\alpha 3$ subunits of GABAA receptors: comparison in seizure-prone and -resistant mice and during development
SO Journal of Molecular Neuroscience (1992), 3(4), 177-84
CODEN: JMNEES; ISSN: 0895-8696

L30 ANSWER 176 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sequence of a functional invertebrate GABAA receptor subunit which can form a chimeric receptor with a vertebrate α subunit
SO EMBO Journal (1991), 10(11), 3239-45
CODEN: EMJODG; ISSN: 0261-4189

L30 ANSWER 177 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Cloning of the γ -aminobutyric acid (GABA) p1 cDNA: a GABA receptor unit highly expressed in the retina
SO Proceedings of the National Academy of Sciences of the United States of America (1991), 88(7), 2673-7
CODEN: PNASA6; ISSN: 0027-8424

L30 ANSWER 178 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Sequence and regional distribution of the mRNA encoding the $\alpha 2$ polypeptide of rat γ -aminobutyric acidA receptors
SO Journal of Neurochemistry (1991), 56(5), 1717-22
CODEN: JONRA9; ISSN: 0022-3042

L30 ANSWER 179 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Evidence for a common molecular origin of the capsule gene loci in gram-negative bacteria expressing group II capsular polysaccharides
SO Molecular Microbiology (1991), 5(5), 1251-63
CODEN: MOMIEE; ISSN: 0950-382X

L30 ANSWER 180 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI The complete nucleotide sequence of potato virus M genomic RNA
SO Molekulyarnaya Biologiya (Moscow) (1991), 25(3), 761-9
CODEN: MOBIBO; ISSN: 0026-8984

L30 ANSWER 181 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Generation of two forms of the γ -aminobutyric acid A receptor $\gamma 2$ -subunit in mice by alternative splicing
SO Journal of Neurochemistry (1991), 56(2), 713-15
CODEN: JONRA9; ISSN: 0022-3042

L30 ANSWER 182 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Rabbit hemorrhagic disease virus-molecular cloning and nucleotide sequencing of a calicivirus genome
SO Virology (1991), 184(2), 664-76
CODEN: VIRLAX; ISSN: 0042-6822

L30 ANSWER 183 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The pentafunctional FAS1 genes of *Saccharomyces cerevisiae* and *Yarrowia lipolytica* are co-linear and considerably longer than previously estimated
 SO Molecular and General Genetics (1991), 226(1-2), 310-14
 CODEN: MGGEAE; ISSN: 0026-8925

L30 ANSWER 184 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A novel γ subunit of the GABAA receptor identified using the polymerase chain reaction
 SO FEBS Letters (1991), 284(2), 211-15
 CODEN: FEBLAL; ISSN: 0014-5793

L30 ANSWER 185 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The $\gamma 3$ -subunit of the GABAA-receptor confers sensitivity to benzodiazepine receptor ligands
 SO FEBS Letters (1991), 293(1-2), 191-4
 CODEN: FEBLAL; ISSN: 0014-5793

L30 ANSWER 186 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning of a glycine receptor subtype expressed in rat brain and spinal cord during a specific period of neuronal development
 SO FEBS Letters (1991), 281(1-2), 160-6
 CODEN: FEBLAL; ISSN: 0014-5793

L30 ANSWER 187 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Subtype H7 influenza viruses: comparative antigenic and molecular analysis of the HA-, M-, and NS-genes
 SO Archives of Virology (1991), Volume Date 1992, 122(1-2), 143-61
 CODEN: ARVIDF; ISSN: 0304-8608

L30 ANSWER 188 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Nucleotide sequence of two *Clostridium thermosulfurogenes* EM1 genes homologous to *Escherichia coli* genes encoding integral membrane components of binding protein-dependent transport systems
 SO FEMS Microbiology Letters (1991), 81(1), 83-7
 CODEN: FMLED7; ISSN: 0378-1097

L30 ANSWER 189 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Alternative splicing generates two isoforms of the $\alpha 2$ subunit of the inhibitory glycine receptor
 SO FEBS Letters (1991), 283(1), 73-7
 CODEN: FEBLAL; ISSN: 0014-5793

L30 ANSWER 190 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Functional properties of strychnine-sensitive glycine receptors expressed in *Xenopus* oocytes injected with a single mRNA
 SO Neuroscience Research (Oxford, United Kingdom) (1991), 11(1), 28-40
 CODEN: NERADN; ISSN: 0168-0102

L30 ANSWER 191 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning of an aminoglycoside-resistance-encoding gene, *kamC*, from *Saccharopolyspora hirsuta*: comparison with *kamB* from *Streptomyces tenebrarius*
 SO Gene (1991), 102(1), 19-26
 CODEN: GENED6; ISSN: 0378-1119

L30 ANSWER 192 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The genome organization of potato virus M RNA
 SO Journal of General Virology (1991), 72(1), 9-14
 CODEN: JGVIAI; ISSN: 0022-1317

L30 ANSWER 193 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN

TI Identification and functional expression of a novel ligand binding subunit of the inhibitory glycine receptor
 SO Journal of Biological Chemistry (1990), 265(36), 22317-20
 CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 194 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Sequence of the chicken GABAA receptor $\gamma 2$ -subunit cDNA
 SO Nucleic Acids Research (1990), 18(23), 7157
 CODEN: NARHAD; ISSN: 0305-1048

L30 ANSWER 195 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Sulfate and thiosulfate transport in Escherichia coli K-12: nucleotide sequence and expression of the cystWAM gene cluster
 SO Journal of Bacteriology (1990), 172(6), 3351-7
 CODEN: JOBAAY; ISSN: 0021-9193

L30 ANSWER 196 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Structural and functional characterization of the $\gamma 1$ subunit of GABAA/benzodiazepine receptors
 SO EMBO Journal (1990), 9(10), 3261-7
 CODEN: EMJODG; ISSN: 0261-4189

L30 ANSWER 197 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Functional characteristics and sites of gene expression of the $\alpha 1, \beta 1, \gamma 2$ -isoform of the rat GABAA receptor
 SO Journal of Neuroscience (1990), 10(7), 2330-7
 CODEN: JNRSDS; ISSN: 0270-6474

L30 ANSWER 198 OF 224 MEDLINE on STN
 TI Molecular analysis of the Escherichia coli K5 kps locus: identification and characterization of an inner-membrane capsular polysaccharide transport system.
 SO Molecular microbiology, (1990 Nov) 4 (11) 1863-9.
 Journal code: 8712028. ISSN: 0950-382X.

L30 ANSWER 199 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7
 TI The bex locus in encapsulated Haemophilus influenzae: a chromosomal region involved in capsule polysaccharide export
 SO Molecular Microbiology (1990), 4(11), 1853-62
 CODEN: MOMIEE; ISSN: 0950-382X

L30 ANSWER 200 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning and expression of the 58 kd β subunit of the inhibitory glycine receptor
 SO Neuron (1990), 4(6), 963-70
 CODEN: NERNET; ISSN: 0896-6273

L30 ANSWER 201 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI A single amino acid exchange alters the pharmacology of neonatal rat glycine receptor subunit
 SO Neuron (1990), 5(6), 867-73
 CODEN: NERNET; ISSN: 0896-6273

L30 ANSWER 202 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Alpha subunit variants of the human glycine receptor: primary structures, functional expression and chromosomal localization of the corresponding genes
 SO EMBO Journal (1990), 9(3), 771-6
 CODEN: EMJODG; ISSN: 0261-4189

L30 ANSWER 203 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Nucleotide sequence and genome structure of the 3'-terminal region of potato virus M genomic RNA
 SO Molekulyarnaya Biologiya (Moscow) (1990), 24(2), 448-59

CODEN: MOBIBO; ISSN: 0026-8984

- L30 ANSWER 204 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Diversity of the Chlamydia trachomatis common plasmid in biovars with different pathogenicity
SO Plasmid (1990), 23(2), 149-54
CODEN: PLSMDX; ISSN: 0147-619X
- L30 ANSWER 205 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI New mre genes mreC and mreD, responsible for formation of the rod shape of Escherichia coli cells
SO Journal of Bacteriology (1989), 171(12), 6511-16
CODEN: JOBAAY; ISSN: 0021-9193
- L30 ANSWER 206 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Partial nucleotide sequence of potato virus M RNA shows similarities to potexviruses in gene arrangement and the encoded amino acid sequences
SO Journal of General Virology (1989), 70(7), 1861-9
CODEN: JGVIAI; ISSN: 0022-1317
- L30 ANSWER 207 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Importance of a novel GABAA receptor subunit for benzodiazepine pharmacology
SO Nature (London, United Kingdom) (1989), 338(6216), 582-5
CODEN: NATUAS; ISSN: 0028-0836
- L30 ANSWER 208 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Two novel GABAA receptor subunits exist in distinct neuronal subpopulations
SO Neuron (1989), 3(3), 327-37
CODEN: NERNET; ISSN: 0896-6273
- L30 ANSWER 209 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Analysis of the entire nucleotide sequence of the cryptic plasmid of Chlamydia trachomatis serovar L1. Evidence for involvement in DNA replication
SO Nucleic Acids Research (1988), 16(9), 4053-67
CODEN: NARHAD; ISSN: 0305-1048
- L30 ANSWER 210 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Nucleotide sequence of the dmsABC operon encoding the anaerobic dimethylsulphoxide reductase of Escherichia coli
SO Molecular Microbiology (1988), 2(6), 785-95
CODEN: MOMIEE; ISSN: 0950-382X
- L30 ANSWER 211 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Transient expression and sequence of the matrix (M1) gene of WSN influenza A virus in a vaccinia vector
SO Virology (1988), 163(2), 618-21
CODEN: VIRLAX; ISSN: 0042-6822
- L30 ANSWER 212 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI The structure of a plasmid of Chlamydia trachomatis believed to be required for growth within mammalian cells
SO Molecular Microbiology (1988), 2(4), 531-8
CODEN: MOMIEE; ISSN: 0950-382X
- L30 ANSWER 213 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
TI Nucleotide sequence of RNA segment 7 and the predicted amino sequence of M1 and M2 proteins of FPV/Weybridge (H7N7) and WSN (H1N1) influenza viruses
SO Virus Research (1988), 10(2-3), 263-71
CODEN: VIREDF; ISSN: 0168-1702

L30 ANSWER 214 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Structure of Escherichia coli dnaC. Identification of a cysteine residue possibly involved in association with dnaB protein
 SO Journal of Biological Chemistry (1987), 262(22), 10475-80
 CODEN: JBCHA3; ISSN: 0021-9258

L30 ANSWER 215 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Sequence and regulatory responses of a ribosomal protein gene from the fission yeast Schizosaccharomyces pombe
 SO Nucleic Acids Research (1987), 15(4), 1477-92
 CODEN: NARHAD; ISSN: 0305-1048

L30 ANSWER 216 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Similarity between cell-cycle genes of budding yeast and fission yeast and the Notch gene of Drosophila
 SO Nature (London, United Kingdom) (1987), 329(6140), 651-4
 CODEN: NATUAS; ISSN: 0028-0836

L30 ANSWER 217 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The strychnine-binding subunit of the glycine receptor shows homology with nicotinic acetylcholine receptors
 SO Nature (London, United Kingdom) (1987), 328(6127), 215-20
 CODEN: NATUAS; ISSN: 0028-0836

L30 ANSWER 218 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The organization of the araBAD operon of Escherichia coli
 SO Gene (1986), 47(2-3), 231-44
 CODEN: GENED6; ISSN: 0378-1119

L30 ANSWER 219 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The araBAD operon of Salmonella typhimurium LT2. I. Nucleotide sequence of araB and primary structure of its product, ribulokinase
 SO Gene (1985), 34(1), 111-22
 CODEN: GENED6; ISSN: 0378-1119

L30 ANSWER 220 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI The sequence of the gene for cytochrome c oxidase subunit I, a frameshift containing gene for cytochrome c oxidase subunit II and seven unassigned reading frames in Trypanosoma brucei mitochondrial maxi-circle DNA
 SO Nucleic Acids Research (1984), 12(19), 7327-44
 CODEN: NARHAD; ISSN: 0305-1048

L30 ANSWER 221 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Nucleotide sequence of an infectious molecularly cloned genome of ground squirrel hepatitis virus
 SO Journal of Virology (1984), 51(2), 367-75
 CODEN: JOVIAM; ISSN: 0022-538X

L30 ANSWER 222 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Somatic mutations of immunoglobulin variable genes are restricted to the rearranged V gene
 SO Science (Washington, DC, United States) (1983), 220(4602), 1179-81
 CODEN: SCIEAS; ISSN: 0036-8075

L30 ANSWER 223 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Complete nucleotide sequences of cloned copies of the RNA genes coding for the hemagglutinin and matrix proteins of a human influenza virus
 SO Developments in Cell Biology (Amsterdam) (1981), 7(Replication Negat. Strand Viruses), 241-9
 CODEN: DCBIDD; ISSN: 0165-2265

L30 ANSWER 224 OF 224 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning of influenza cDNA into M13: the sequence of the RNA segment

encoding the A/PR/8/34 matrix protein
S0 Nucleic Acids Research (1980), 8(9), 1965-74
CODEN: NARHAD; ISSN: 0305-1048

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FILE 'REGISTRY' ENTERED AT 14:50:49 ON 04 JAN 2005

L1 1761053 S [WFYLIMVA].[VWFYLIMA][LWFIYIMVA][WFYLIMVA].[WFYLIMVA]...[RKLWH]
L2 11 S WEVLCWTWETCER/SQSP
L3 2 S WEVLCWTWETCER/SQEP
L4 6 S WEVLCWTWETCER.{1,100}./SQSP
L5 4 S .{1,99}.WEVLCWTWETCER.{1,99}./SQSP
L6 5 S .{0,99}.WEVLCWTWETCER.{0,99}./SQSP
L7 8 S .{0,99}.WEVLCWTWETCER/SQSP
L8 6 S WEVLCWTWETCER.{0,99}./SQSP
L9 9 S L6 OR L7 OR L8

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,
EMBASE, USPAT2' ENTERED AT 15:07:45 ON 04 JAN 2005

L10 5 S L9
L11 4 DUP REM L10 (1 DUPLICATE REMOVED)
L12 7 S L2
L13 2 S L12 NOT L10

FILE 'REGISTRY' ENTERED AT 15:12:05 ON 04 JAN 2005

L14 24 S [WFL]E[LV][LIMV]C[WFLM]TWETCE[RKLW]/SQSP
L15 22 S [WFLA]E[VIA]LC[WFLMA]TWETCER/SQSP

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,
EMBASE' ENTERED AT 15:17:14 ON 04 JAN 2005

FILE 'REGISTRY' ENTERED AT 15:17:27 ON 04 JAN 2005

L16 28 S L14 OR L15

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,
EMBASE, USPAT2' ENTERED AT 15:18:15 ON 04 JAN 2005

L17 7 S L14
L18 0 S L14 NOT L14
L19 0 S L14 NOT L16
L20 0 S L16 NOT L14
L21 7 S L16
L22 7 S L21 AND L17
L23 6 DUP REM L22 (1 DUPLICATE REMOVED)

FILE 'REGISTRY' ENTERED AT 15:21:32 ON 04 JAN 2005

L24 251389 S ..[WFLMVA].[VIAWY][LIMVA][WFLMVA].[WFYM]..[-P][RKLWHM].../SQS
L25 134568 S ..[WFLA].[VIA][LIMVA][WFLMA].[WFYM]..[-P][RKLWHM].../SQSP
L26 2424 S ..[WFL].[VI][LIMV][WFLM].[W]..[-P][RKLW].../SQSP
L27 3807 S [WFL].[VI][LIMVA][WFYLM].[W]...[RKLW]/SQSP

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,
EMBASE' ENTERED AT 15:31:55 ON 04 JAN 2005

L28 231 S L26 AND PY<=1999
L29 0 S L28 AND DUP REM
L30 224 DUP REM L28 (7 DUPLICATES REMOVED)
L31 0 S L30 AND (FACTOR (W) VII)
L32 1 S L30 AND (VII)

=> FIL REGISTRY

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=> s ..[wfl].[vi][limv][wflm].[w]..[-p][rklw].../sqsp and sql=18
      0 ..[WFL].[VI][LIMV][WFLM].[W]..[-P][RKLW].../SQSP
      136536 SQL=18
L33      0 ..[WFL].[VI][LIMV][WFLM].[W]..[-P][RKLW].../SQSP AND SQL=18

=> s ..[wfl].[vi][limv][wflm].[w]..[-p][rklw].../sqsp and sql<30
      4 ..[WFL].[VI][LIMV][WFLM].[W]..[-P][RKLW].../SQSP
      4546169 SQL<30'
L34      4 ..[WFL].[VI][LIMV][WFLM].[W]..[-P][RKLW].../SQSP AND SQL<30
```

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(FILE 'HOME' ENTERED AT 14:50:12 ON 04 JAN 2005)

FILE 'REGISTRY' ENTERED AT 14:50:49 ON 04 JAN 2005

L1 1761053 S [WFYLMVA] . [WVFLYLMVA] [LWFLYLMVA] [WFYLMVA] . [WFYLMVA] ... [RKLWH
L2 11 S WEVLCWTWETCER/SQSP
L3 2 S WEVLCWTWETCER/SQEP
L4 6 S WEVLCWTWETCER. {1,100} ./SQSP
L5 4 S . {1,99} . WEVLCWTWETCER. {1,99} ./SQSP
L6 5 S . {0,99} . WEVLCWTWETCER. {0,99} ./SQSP
L7 8 S . {0,99} . WEVLCWTWETCER/SQSP
L8 6 S WEVLCWTWETCER. {0,99} ./SQSP
L9 9 S L6 OR L7 OR L8

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,
EMBASE, USPAT2' ENTERED AT 15:07:45 ON 04 JAN 2005

L10 5 S L9
L11 4 DUP REM L10 (1 DUPLICATE REMOVED)
L12 7 S L2
L13 2 S L12 NOT L10

FILE 'REGISTRY' ENTERED AT 15:12:05 ON 04 JAN 2005

L14 24 S [WFL]E[LV] [LIMV]C[WFLM]TWETCE[RKLW]/SQSP
L15 22 S [WFLA]E[VIA]LC[WFLMA]TWETCER/SQSP

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,
EMBASE' ENTERED AT 15:17:14 ON 04 JAN 2005

FILE 'REGISTRY' ENTERED AT 15:17:27 ON 04 JAN 2005

L16 28 S L14 OR L15

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,
EMBASE, USPAT2' ENTERED AT 15:18:15 ON 04 JAN 2005

L17 7 S L14
L18 0 S L14 NOT L14
L19 0 S L14 NOT L16
L20 0 S L16 NOT L14
L21 7 S L16
L22 7 S L21 AND L17
L23 6 DUP REM L22 (1 DUPLICATE REMOVED)

FILE 'REGISTRY' ENTERED AT 15:21:32 ON 04 JAN 2005

L24 251389 S .. [WFLMVA] . [VIAWY] [LIMVA] [WFLMVA] . [WFYM] .. [-P] [RKLWHM] .../SQS
L25 134568 S .. [WFLA] . [VIA] [LIMVA] [WFLMA] . [WFYM] .. [-P] [RKLWHM] .../SQSP
L26 2424 S .. [WFL] . [VI] [LIMV] [WFLM] . [W] .. [-P] [RKLW] .../SQSP - Claim 1, 7
L27 3807 S [WFL] . [VI] [LIMVA] [WFYLM] . [W] ... [RKLW]/SQSP

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,

EMBASE' ENTERED AT 15:31:55 ON 04 JAN 2005

L28 231 S L26 AND PY<=1999
L29 0 S L28 AND DUP REM
L30 224 DUP REM L28 (7 DUPLICATES REMOVED)
L31 0 S L30 AND (FACTOR (W) VII)
L32 1 S L30 AND (VII)

FILE 'REGISTRY' ENTERED AT 15:44:46 ON 04 JAN 2005

L33 0 S ..[WFL].[VI][LIMV][WFLM].[W]..[-P][RKLW].../SQSP AND SQL=18
L34 4 S ..[WFL].[VI][LIMV][WFLM].[W]..[-P][RKLW].../SQSP AND SQL<30

FILE 'CAPLUS, BIOSIS, MEDLINE, PCTFULL, USPATFULL, JAPIO, SCISEARCH,
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